

Converting Colors

Yxy(90.3620, 0.3046, 0.3260)

Have a look what the booklet for
Yxy(90.3620, 0.3046, 0.3260)
contains.

Yxy(90.5840, 0.3046, 0.3260)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(90.5840, 0.3046, 0.3260)

Conversions

Conversions Part 1

Format	Color
Hex	ECF6F9
RGB	236, 246, 249
RGB Percent	93%, 96%, 98%
CMY	0.0746, 0.0352, 0.0235
CMYK	0.05, 0.01, 0.00, 0.02
HSL	194°, 52%, 95%
HSV	194°, 5%, 98%
XYZ	84.6377, 90.5840, 102.6433
YIQ	243.3520, -6.9230, -1.1870

Conversions

Conversions Part 2

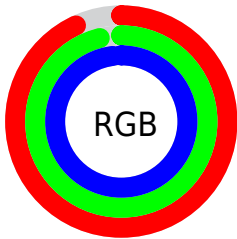
Format	Color
R _{YB}	236, 242, 249
Decimal	15529721
CIE Lab	96.24, -2.75, -2.59
CIE LCh	96, 3.777, 223.283
Yxy	90.5840, 0.3046, 0.3260
Android (android.graphics.Color)	4293719801 (0xFFE6CF6F9)
YUV	243.3520, 2.7845, -6.4477
Hunter-Lab	95.1756, -7.8210, 2.6809

Details

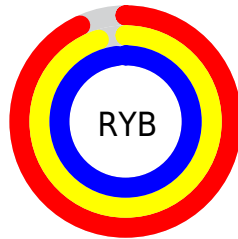
The Yxy color **90.5840, 0.3046, 0.3260** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **87.8969, 0.3212, 0.3320**, and the grayscale version is **89.9027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.3805, 0.3024, 0.3251** is the 20% darker color. If you saturate the color by 10%, you get **83.2054, 0.2892, 0.3198**, and if you desaturate by 10%, it is **97.5411, 0.3164, 0.3316**.

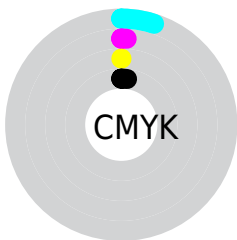
Distribution



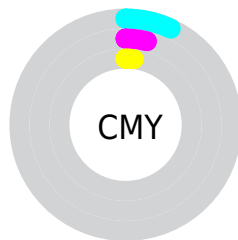
- Red (93%)
- Green (96%)
- Blue (98%)



- Red (93%)
- Yellow (95%)
- Blue (98%)



- Cyan (5%)
- Magenta (1%)
- Yellow (0%)
- Black (2%)




- Cyan (7%)
- Magenta (4%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.5840, 0.3046, 0.3260 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 90.5840, 0.3046, 0.3260 by changing the saturation by 10% instead.


 90.5840, 0.3046,
0.3260

 90.5840, 0.3046,
0.3260

529.9288, 0.3082,
0.3274

 68.4651, 0.3038,
0.3257


148.1493, 0.3058,
0.3265

 50.2762, 0.3028,
0.3253


184.3646, 0.3063,
0.3266

 35.6329, 0.3017,
0.3249


226.0474, 0.3067,
0.3268

 24.1508, 0.3001,
0.3243

273.5821, 0.3071,
0.3269

 15.4455, 0.2981,
0.3235

327.3533, 0.3074,
0.3271

 9.1327, 0.2954,
0.3224

387.7451, 0.3077,

 4.8278, 0.2913,

0.3272

0.3208

455.1422, 0.3080,
0.3273

■ 2.1466, 0.2848,
0.3181

■ 0.6906, 0.2663,
0.3121

■ 90.5840, 0.3046,
0.3260

■ 90.5840, 0.3046,
0.3260

■ 83.2054, 0.2892,
0.3198

■ 97.5411, 0.3164,
0.3316

■ 76.4980, 0.2742,
0.3131

■ 99.6194, 0.3162,
0.3347

■ 70.4387, 0.2598,
0.3058

■ 64.9982, 0.2465,
0.2980

■ 60.1450, 0.2345,
0.2899

■ 55.8440, 0.2242,
0.2815

■ 52.0559, 0.2158,
0.2729

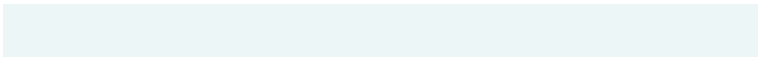
■ 48.7350, 0.2094,
0.2644

■ 45.8252, 0.2050,
0.2559

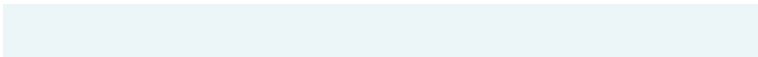
Harmonies

Analogous

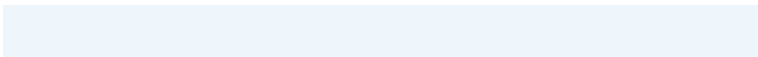
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5840, 0.3063, 0.3298



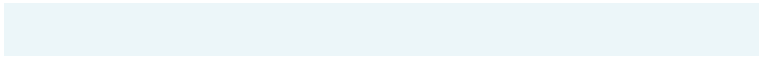
90.5840, 0.3046, 0.3260



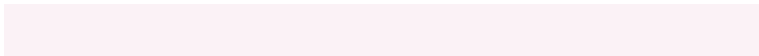
90.5840, 0.3050, 0.3231

Triad

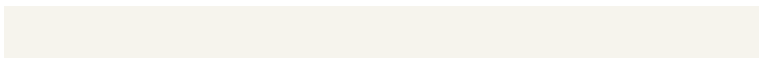
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.5840, 0.3046, 0.3260



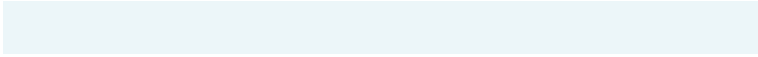
90.5840, 0.3156, 0.3248



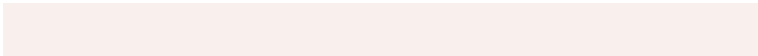
90.5840, 0.3179, 0.3363

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



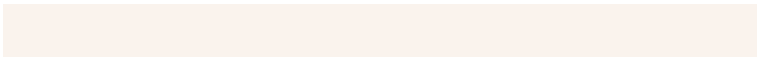
90.5840, 0.3046, 0.3260



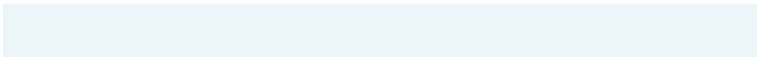
87.8969, 0.3212, 0.3320

Split Complementary

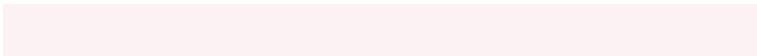
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.5840, 0.3205, 0.3349



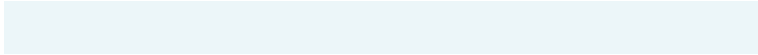
90.5840, 0.3046, 0.3260



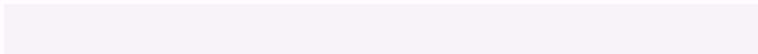
90.5840, 0.3191, 0.3282

Square

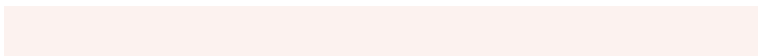
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.5840, 0.3046, 0.3260



90.5840, 0.3114, 0.3224



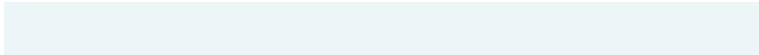
90.5840, 0.3209, 0.3320



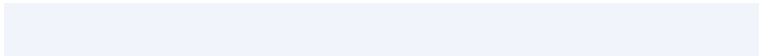
90.5840, 0.3140, 0.3358

Rectangle

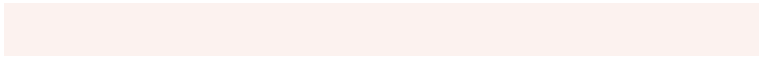
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.5840, 0.3046, 0.3260



90.5840, 0.3065, 0.3220



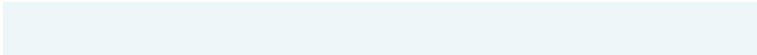
90.5840, 0.3209, 0.3320



90.5840, 0.3190, 0.3361

Sweetspot

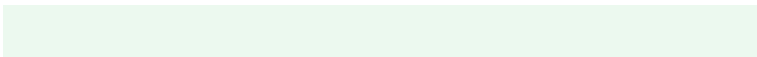
The Sweet Spot groups the original color and five complimentary colors.



90.5878, 0.3046, 0.3260



98.3031, 0.3096, 0.3279



91.7971, 0.3104, 0.3392



21.0587, 0.3098, 0.3279



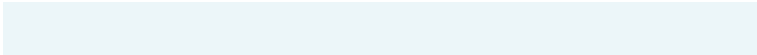
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.5878, 0.3046, 0.3260



94.9990, 0.3034, 0.3255



86.7863, 0.3047, 0.3196



19.3594, 0.3024, 0.3252



24.0693, 0.2037, 0.2533



2.3876, 0.2065, 0.2634

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



86.7660, 0.3152, 0.3191



90.4002, 0.3155, 0.3176



91.6838, 0.3207, 0.3382



18.3227, 0.3159, 0.3164



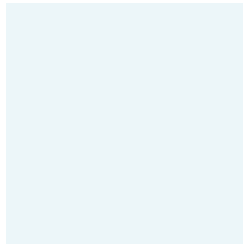
12.8407, 0.3890, 0.1916



1.2053, 0.3791, 0.1862

Previews

White Background



This preview shows how the Yxy color 90.5840, 0.3046, 0.3260 looks on a white background.

Color Contrast Check

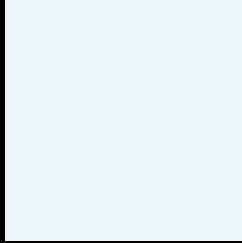
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 90.5840, 0.3046, 0.3260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

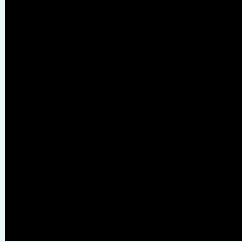
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

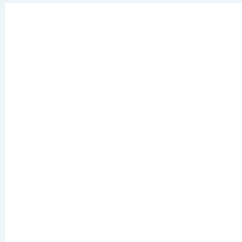
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.5840, 0.3046, 0.3260

Background



This preview shows how black text looks on a background with the Yxy color 90.5840, 0.3046, 0.3260.

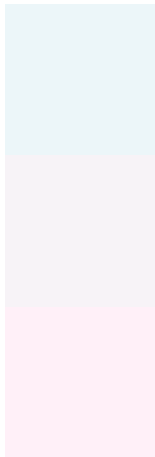


This preview shows how white text looks on a background with the Yxy color 90.5840, 0.3046, 0.3260.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

90.5840, 0.3046, 0.3260

Protanopia

90.5907, 0.3129, 0.3251

Deuteranopia

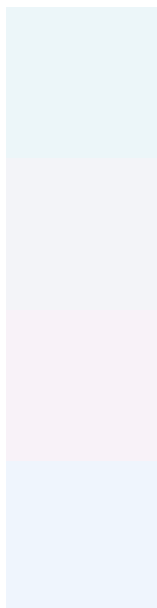
90.3575, 0.3177, 0.3213



Tritanopia

90.6221, 0.3043, 0.3182

Trichromacy



Original Color

90.5840, 0.3046, 0.3260

Protanomaly

90.5334, 0.3097, 0.3250

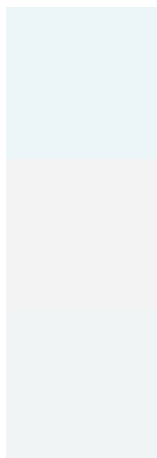
Deuteranomaly

90.2380, 0.3130, 0.3231

Tritanomaly

90.7474, 0.3042, 0.3211

Monochromacy



Original Color

90.5840, 0.3046, 0.3260

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.8192, 0.3095, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.5840, 0.3046, 0.3260 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(236, 246, 249) looks like.

```
.text, #text, p{  
    color:rgb(236, 246, 249)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(236, 246, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 246, 249) }
```

Border

The CSS property to change the border of an element to Yxy 90.5840, 0.3046, 0.3260 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(236, 246, 249) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(236, 246, 249) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(236, 246, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 246, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 246, 249);  
box-shadow:4px 4px 4px 4px rgb(236, 246,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 90.5840, 0.3046, 0.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 246, 249) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(236,  
246, 249) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor