

Converting Colors

$Yxy(90.2491, 0.3060, 0.3371)$

Have a look what the booklet for
Yxy(90.2491, 0.3060, 0.3371)
contains.

Yxy(90.2491, 0.3060, 0.3371)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(90.2491, 0.3060, 0.3371)

Conversions

Conversions Part 1

Format	Color
Hex	E6F8F0
RGB	230, 248, 240
RGB Percent	90%, 97%, 94%
CMY	0.0982, 0.0274, 0.0588
CMYK	0.07, 0.00, 0.03, 0.03
HSL	153°, 56%, 94%
HSV	153°, 7%, 97%
XYZ	81.9229, 90.2491, 95.5500
YIQ	241.7060, -8.1600, -6.3040

Conversions

Conversions Part 2

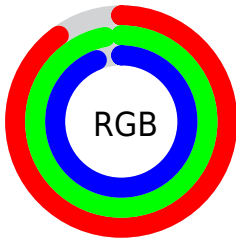
Format	Color
R _Y B	230, 242, 248
Decimal	15137008
CIE Lab	96.10, -7.35, 1.80
CIE LCh	96, 7.568, 166.262
Yxy	90.2491, 0.3060, 0.3371
Android (android.graphics.Color)	4293327088 (0xFFE6F8F0)
YUV	241.7060, -0.8411, -10.2662
Hunter-Lab	94.9995, -12.3195, 6.8661

Details

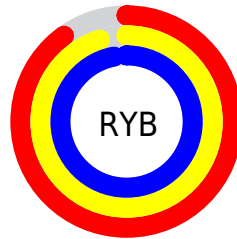
The Yxy color **90.2491, 0.3060, 0.3371** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.7076, 0.3200, 0.3210**, and the grayscale version is **88.5598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.1586, 0.3042, 0.3394** is the 20% darker color. If you saturate the color by 10%, you get **85.8041, 0.2970, 0.3494**, and if you desaturate by 10%, it is **95.3251, 0.3152, 0.3261**.

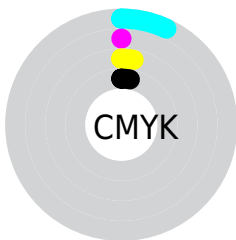
Distribution



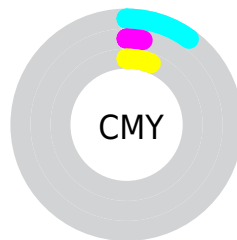
- Red (90%)
- Green (97%)
- Blue (94%)



- Red (90%)
- Yellow (95%)
- Blue (97%)



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)
- Black (3%)




- Cyan (10%)
- Magenta (3%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.2491, 0.3060, 0.3371 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 90.2491, 0.3060, 0.3371 by changing the saturation by 10% instead.


 90.2491, 0.3060,
0.3371

 90.2491, 0.3060,
0.3371


528.8408, 0.3090,
0.3335

 68.1873, 0.3053,
0.3379

147.6844, 0.3070,
0.3359

 50.0501, 0.3045,
0.3389

183.8266, 0.3074,
0.3354

 35.4532, 0.3035,
0.3401


225.4310, 0.3078,
0.3350

 24.0122, 0.3022,
0.3417

272.8821, 0.3081,
0.3346

 15.3427, 0.3005,
0.3437

326.5643, 0.3084,
0.3343

 9.0602, 0.2982,
0.3466

386.8618, 0.3086,

 4.7805, 0.2946,

0.3340

0.3509

454.1592, 0.3088,
0.3337

■ 2.1190, 0.2889,
0.3580

■ 0.6753, 0.2646,
0.3865

■ 90.2491, 0.3060,
0.3371

■ 90.2491, 0.3060,
0.3371

■ 85.8041, 0.2970,
0.3494

■ 95.3251, 0.3152,
0.3261

■ 81.9534, 0.2884,
0.3629

■ 95.6226, 0.3130,
0.3223

■ 78.6739, 0.2807,
0.3777

■ 75.9363, 0.2740,
0.3936

■ 73.7091, 0.2688,
0.4104

■ 71.9569, 0.2653,
0.4278

■ 70.6400, 0.2638,
0.4454

■ 69.7115, 0.2644,
0.4628

■ 69.1111, 0.2669,
0.4796

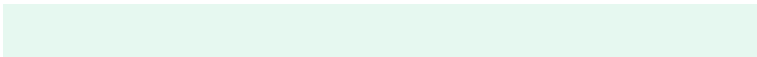
Harmonies

Analogous

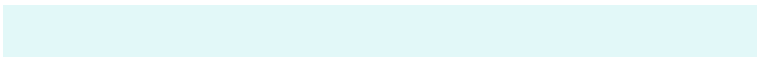
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2491, 0.3144, 0.3423



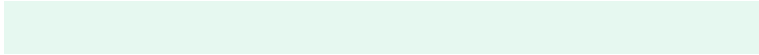
90.2491, 0.3060, 0.3371



90.2491, 0.2994, 0.3297

Triad

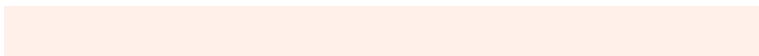
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.2491, 0.3060, 0.3371



90.2491, 0.3029, 0.3145



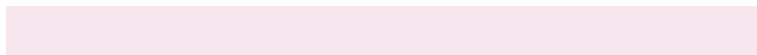
90.2491, 0.3293, 0.3355

Complementary

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



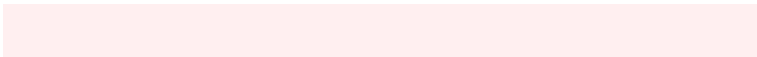
90.2491, 0.3060, 0.3371



82.7076, 0.3200, 0.3210

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.



90.2491, 0.3262, 0.3281



90.2491, 0.3060, 0.3371



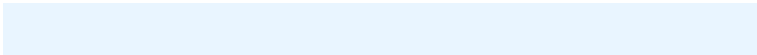
90.2491, 0.3108, 0.3162

Square

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



90.2491, 0.3060, 0.3371



90.2491, 0.2976, 0.3167



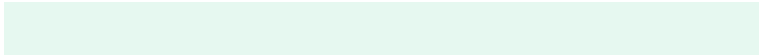
90.2491, 0.3194, 0.3211



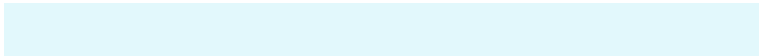
90.2491, 0.3280, 0.3413

Rectangle

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



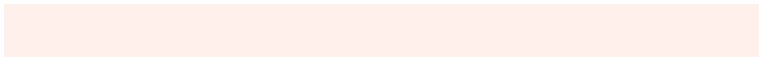
90.2491, 0.3060, 0.3371



90.2491, 0.2969, 0.3246



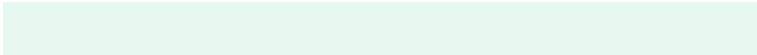
90.2491, 0.3194, 0.3211



90.2491, 0.3288, 0.3331

Sweetspot

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



90.2529, 0.3060, 0.3371



98.9008, 0.3109, 0.3312



91.0468, 0.3171, 0.3472



21.1804, 0.3110, 0.3311



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.



90.2529, 0.3060, 0.3371



95.2661, 0.3044, 0.3391



90.1855, 0.3014, 0.3281



19.4710, 0.3040, 0.3397



37.2871, 0.2671, 0.4814



3.4748, 0.2615, 0.4615

Inverse Universe

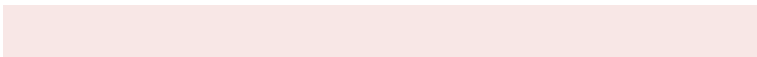
The Inverse Universe completely reimagines the original color for something new.



82.7076, 0.3200, 0.3210



85.4257, 0.3219, 0.3191



82.7512, 0.3251, 0.3299



17.3531, 0.3224, 0.3185



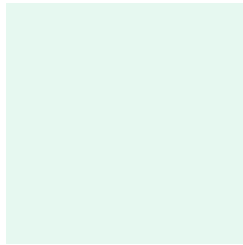
11.4152, 0.5202, 0.2639



1.0782, 0.4905, 0.2476

Previews

White Background



This preview shows how the Yxy color 90.2491, 0.3060, 0.3371 looks on a white background.

Color Contrast Check

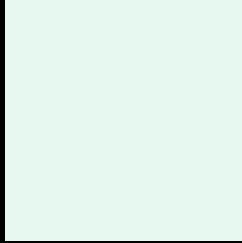
Large Text (above 18pt) WCAG AA × Fail

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 90.2491, 0.3060, 0.3371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

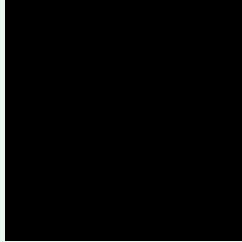
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

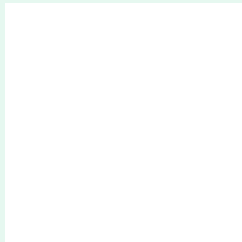
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.2491, 0.3060, 0.3371

Background



This preview shows how black text looks on a background with the Yxy color 90.2491, 0.3060, 0.3371.

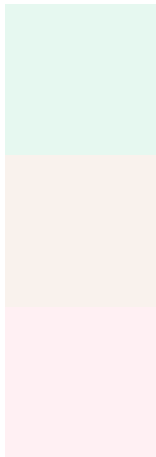


This preview shows how white text looks on a background with the Yxy color 90.2491, 0.3060, 0.3371.

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

90.2491, 0.3060, 0.3371

Protanopia

89.7584, 0.3204, 0.3340

Deuteranopia

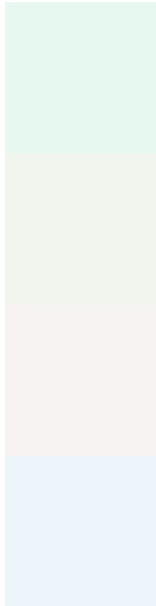
90.0512, 0.3208, 0.3261



Tritanopia

90.0985, 0.3024, 0.3181

Trichromacy



Original Color

90.2491, 0.3060, 0.3371

Protanomaly

89.7517, 0.3150, 0.3350

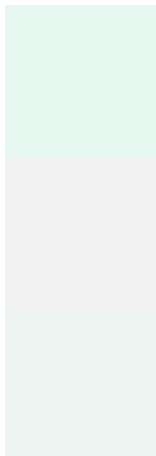
Deuteranomaly

90.1048, 0.3153, 0.3300

Tritanomaly

89.8691, 0.3034, 0.3240

Monochromacy



Original Color

90.2491, 0.3060, 0.3371

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

89.2294, 0.3106, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.2491, 0.3060, 0.3371 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(230, 248, 240)` looks like.

```
.text, #text, p{  
    color:rgb(230, 248, 240)  
}
```

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(230, 248, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 248, 240) }
```

Border

The CSS property to change the border of an element to Yxy 90.2491, 0.3060, 0.3371 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(230, 248, 240) }
```

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

```
.border{ border-color:rgb(230, 248, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 248, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 248, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 248, 240);  
box-shadow:4px 4px 4px 4px rgb(230, 248,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 90.2491, 0.3060, 0.3371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 248, 240) }
```

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

```
.background{ background-color: rgb(230,  
248, 240) }
```

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