

Converting Colors

$Yxy(90.9960, 0.2990, 0.3290)$

Have a look what the booklet for
Yxy(90.9960, 0.2990, 0.3290)
contains.

Yxy(90.9218, 0.2990, 0.3290)	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(90.9218, 0.2990, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	E3F9F9
RGB	227, 249, 249
RGB Percent	89%, 98%, 98%
CMY	0.1101, 0.0234, 0.0236
CMYK	0.09, 0.00, 0.00, 0.02
HSL	180°, 65%, 93%
HSV	180°, 9%, 98%
XYZ	82.6311, 90.9218, 102.8052
YIQ	242.4220, -13.1120, -4.6640

Conversions

Conversions Part 2

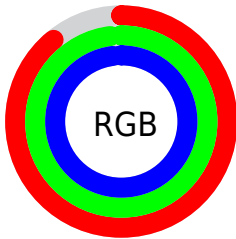
Format	Color
R _Y B	227, 238, 249
Decimal	14940665
CIE Lab	96.38, -7.18, -2.45
CIE LCh	96, 7.589, 198.852
Yxy	90.9218, 0.2990, 0.3290
Android (android.graphics.Color)	4293130745 (0xFFE3F9F9)
YUV	242.4220, 3.2430, -13.5251
Hunter-Lab	95.3529, -12.1829, 2.8233

Details

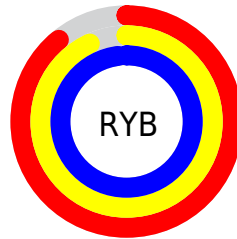
The Yxy color **90.9218, 0.2990, 0.3290** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.5809, 0.3282, 0.3290**, and the grayscale version is **89.1179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.7608, 0.2962, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **87.1638, 0.2844, 0.3290**, and if you desaturate by 10%, it is **95.2730, 0.3145, 0.3290**.

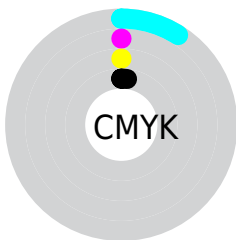
Distribution



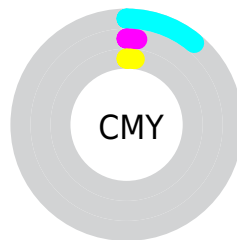
- Red (89%)
- Green (98%)
- Blue (98%)



- Red (89%)
- Yellow (93%)
- Blue (98%)



- Cyan (9%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)





- Cyan (11%)
- Magenta (2%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.9218, 0.2990, 0.3290 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 90.9218, 0.2990, 0.3290 by changing the saturation by 10% instead.

 90.9218, 0.2990,
0.3290

 90.9218, 0.2990,
0.3290

531.0249, 0.3051,
0.3290

 68.7454, 0.2977,
0.3290


148.6182, 0.3011,
0.3290

 50.5044, 0.2961,
0.3290

184.9069, 0.3019,
0.3290

 35.8144, 0.2940,
0.3289


226.6686, 0.3026,
0.3290

 24.2909, 0.2915,
0.3289

274.2877, 0.3032,
0.3290

 15.5495, 0.2881,
0.3288

328.1484, 0.3038,
0.3290

 9.2060, 0.2835,
0.3287


388.6353, 0.3042,


 4.8758, 0.2768,


0.3290


0.3284


456.1326, 0.3047,
0.3290

 2.1746, 0.2660,
0.3279


 0.7061, 0.2314,
0.3296

 90.9218, 0.2990,
0.3290


 90.9218, 0.2990,
0.3290

 87.1638, 0.2844,
0.3290


 95.2730, 0.3145,
0.3290


 83.9625, 0.2709,
0.3290

 95.8744, 0.3165,
0.3290


 81.2949, 0.2588,
0.3291


 95.8774, 0.3165,
0.3289

 79.1319, 0.2485,
0.3291


 95.8804, 0.3164,
0.3289


 77.4418, 0.2400,
0.3291

 95.8834, 0.3164,
0.3288


 76.1891, 0.2335,
0.3292

 95.8864, 0.3164,
0.3288

 75.3335, 0.2289,
0.3292

 95.8894, 0.3163,
0.3287

 74.8272, 0.2261,
0.3293

 95.8924, 0.3163,
0.3287

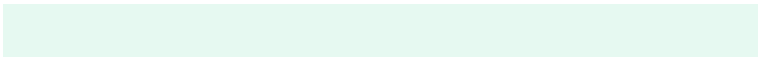
 74.5996, 0.2249,
0.3293

 95.8953, 0.3163,
0.3286

Harmonies

Analogous

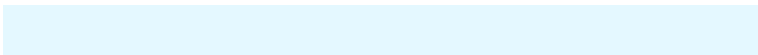
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9218, 0.3053, 0.3365



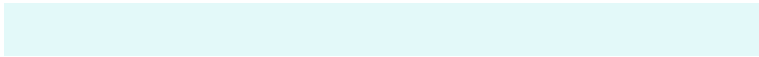
90.9218, 0.2990, 0.3290



90.9218, 0.2963, 0.3216

Triad

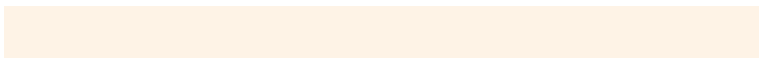
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.9218, 0.2990, 0.3290



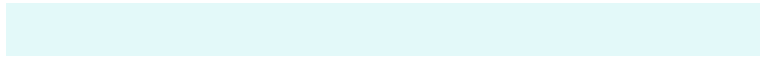
90.9218, 0.3116, 0.3165



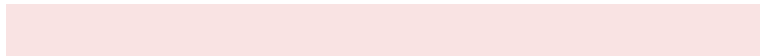
90.9218, 0.3277, 0.3416

Complementary

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



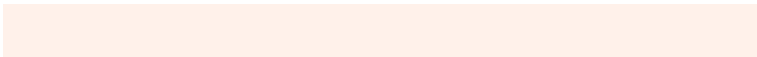
90.9218, 0.2990, 0.3290



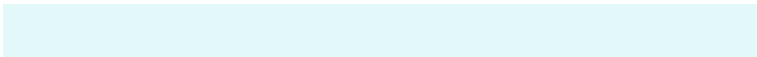
80.5809, 0.3282, 0.3290

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.



90.9218, 0.3294, 0.3361



90.9218, 0.2990, 0.3290



90.9218, 0.3201, 0.3217

Square

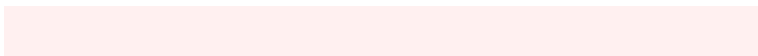
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.9218, 0.2990, 0.3290



90.9218, 0.3035, 0.3145



90.9218, 0.3266, 0.3288



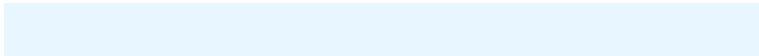
90.9218, 0.3219, 0.3438

Rectangle

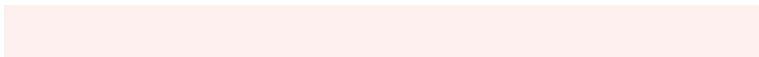
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



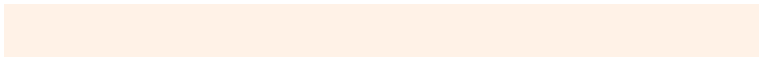
90.9218, 0.2990, 0.3290



90.9218, 0.2969, 0.3178



90.9218, 0.3266, 0.3288



90.9218, 0.3287, 0.3401

Sweetspot

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



90.9256, 0.2990, 0.3290



98.5769, 0.3080, 0.3290



89.6882, 0.3119, 0.3518



21.0202, 0.3068, 0.3290



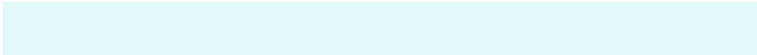
0.0000, 0.0000, 0.0000



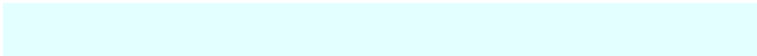
21.4041, 0.3127, 0.3290

Same Dimension

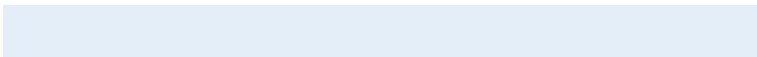
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.9256, 0.2990, 0.3290



95.0593, 0.2958, 0.3290



84.5065, 0.2989, 0.3180



19.6080, 0.2981, 0.3290



39.9117, 0.2248, 0.3293



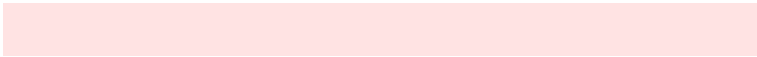
3.6967, 0.2248, 0.3292

Inverse Universe

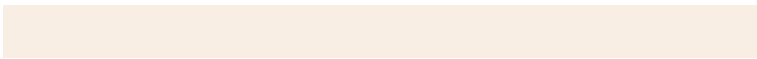
The Inverse Universe completely reimagines the original color for something new.



80.5809, 0.3282, 0.3290



81.7171, 0.3324, 0.3290



86.6053, 0.3271, 0.3397



17.2258, 0.3294, 0.3290



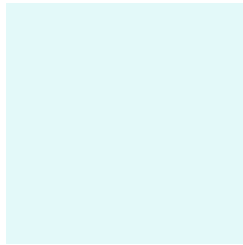
10.7813, 0.6399, 0.3299



0.9987, 0.6394, 0.3296

Previews

White Background



This preview shows how the Yxy color 90.9218, 0.2990, 0.3290 looks on a white background.

Color Contrast Check

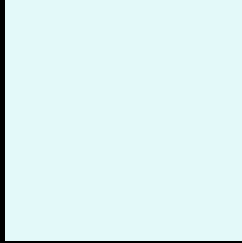
Large Text (above 18pt) WCAG AA × Fail

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 90.9218, 0.2990, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

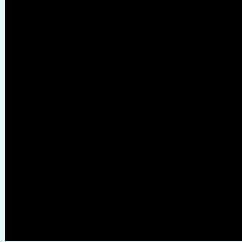
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

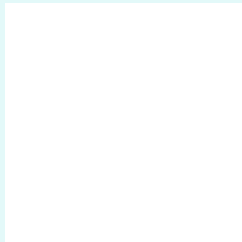
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.9218, 0.2990, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 90.9218, 0.2990, 0.3290.

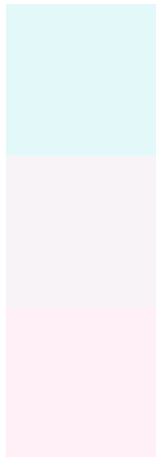


This preview shows how white text looks on a background with the Yxy color 90.9218, 0.2990, 0.3290.

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

90.9218, 0.2990, 0.3290

Protanopia

90.7115, 0.3142, 0.3261

Deuteranopia

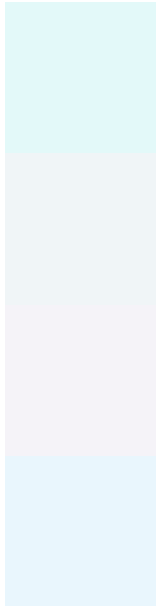
90.3575, 0.3177, 0.3213



Tritanopia

90.5293, 0.3018, 0.3191

Trichromacy



Original Color

90.9218, 0.2990, 0.3290

Protanomaly

90.5455, 0.3083, 0.3270

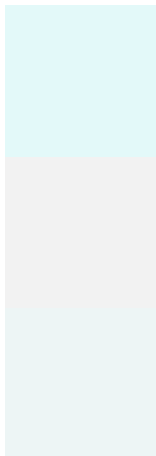
Deuteranomaly

90.2910, 0.3110, 0.3241

Tritanomaly

90.3270, 0.3005, 0.3220

Monochromacy



Original Color

90.9218, 0.2990, 0.3290

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

89.9019, 0.3076, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.9218, 0.2990, 0.3290 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(227, 249, 249)` looks like.

```
.text, #text, p{  
    color:rgb(227, 249, 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(227, 249, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 249, 249) }
```

Border

The CSS property to change the border of an element to Yxy 90.9218, 0.2990, 0.3290 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(227, 249, 249) }
```

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

```
.border{ border-color:rgb(227, 249, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 249, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 249, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 249, 249);  
box-shadow:4px 4px 4px 4px rgb(227, 249,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 90.9218, 0.2990, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 249, 249) }
```

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

```
.background{ background-color: rgb(227,  
249, 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