

Converting Colors

$Yxy(91.0844, 0.3018, 0.3292)$

Have a look what the booklet for
Yxy(91.0844, 0.3018, 0.3292)
contains.

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Color

Yxy(90.9010, 0.3021, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	E7F8F8
RGB	231, 248, 248
RGB Percent	91%, 97%, 97%
CMY	0.0940, 0.0274, 0.0276
CMYK	0.07, 0.00, 0.00, 0.03
HSL	180°, 55%, 94%
HSV	180°, 7%, 97%
XYZ	83.4687, 90.9010, 101.9252
YIQ	242.9170, -10.1320, -3.6040

Conversions

Conversions Part 2

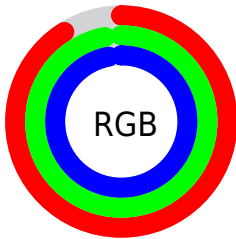
Format	Color
R _Y B	231, 240, 248
Decimal	15202552
CIE Lab	96.37, -5.54, -1.91
CIE LCh	96, 5.857, 198.988
Yxy	90.9010, 0.3021, 0.3290
Android (android.graphics.Color)	4293392632 (0xFFE7F8F8)
YUV	242.9170, 2.5059, -10.4512
Hunter-Lab	95.3420, -10.5779, 3.3556

Details

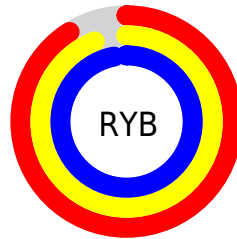
The Yxy color **90.9010, 0.3021, 0.3290** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.8998, 0.3244, 0.3290**, and the grayscale version is **89.5487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.6190, 0.2992, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **87.0626, 0.2873, 0.3290**, and if you desaturate by 10%, it is **95.1736, 0.3172, 0.3290**.

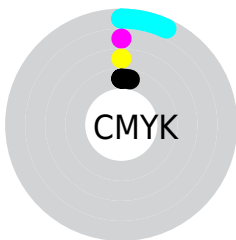
Distribution



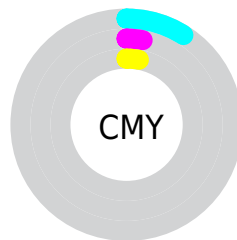
- Red (91%)
- Green (97%)
- Blue (97%)



- Red (91%)
- Yellow (94%)
- Blue (97%)



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





- Cyan (9%)
- Magenta (3%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.9010, 0.3021, 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 90.9010, 0.3021, 0.3290 by changing the saturation by 10% instead.

 90.9010, 0.3021,
0.3290

 90.9010, 0.3021,
0.3290


530.9574, 0.3068,
0.3290

 68.7282, 0.3011,
0.3290


148.5893, 0.3037,
0.3290

 50.4904, 0.2998,
0.3290


184.8735, 0.3043,
0.3290

 35.8032, 0.2983,
0.3290

226.6304, 0.3049,
0.3290

 24.2822, 0.2963,
0.3289

274.2442, 0.3054,
0.3290

 15.5431, 0.2937,
0.3289

328.0995, 0.3058,
0.3290

 9.2014, 0.2901,
0.3288

388.5805, 0.3062,

 4.8728, 0.2848,

0.3290

456.0717, 0.3065,
0.3290

0.3286

■ 2.1728, 0.2763,
0.3283

■ 0.7051, 0.2499,
0.3293

■ 90.9010, 0.3021,
0.3290

■ 90.9010, 0.3021,
0.3290

■ 87.0626, 0.2873,
0.3290

■ 95.1736, 0.3172,
0.3290

■ 83.7805, 0.2735,
0.3290

■ 95.1766, 0.3171,
0.3290

■ 81.0325, 0.2612,
0.3291

■ 95.1797, 0.3171,
0.3289

■ 78.7903, 0.2505,
0.3291

■ 95.1827, 0.3171,
0.3289

77.0231, 0.2416,
0.3291

95.1858, 0.3171,
0.3288

75.6965, 0.2346,
0.3292

95.1888, 0.3170,
0.3288

74.7718, 0.2297,
0.3292

95.1919, 0.3170,
0.3287

74.2034, 0.2266,
0.3293

95.1949, 0.3170,
0.3287

73.9336, 0.2251,
0.3293

95.1980, 0.3169,
0.3286

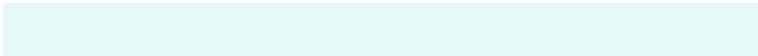
Harmonies

Analogous

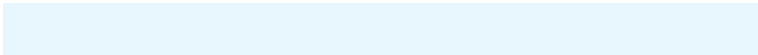
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9010, 0.3070, 0.3348



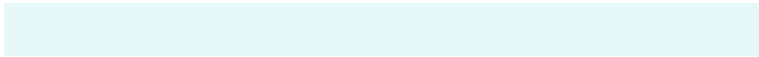
90.9010, 0.3021, 0.3290



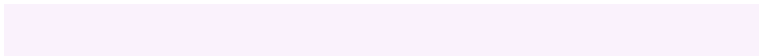
90.9010, 0.3000, 0.3233

Triad

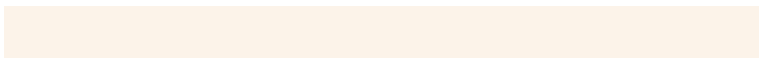
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.9010, 0.3021, 0.3290



90.9010, 0.3119, 0.3193



90.9010, 0.3242, 0.3388

Complementary

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



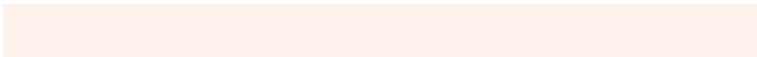
90.9010, 0.3021, 0.3290



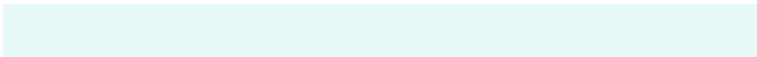
82.8998, 0.3244, 0.3290

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.



90.9010, 0.3256, 0.3345



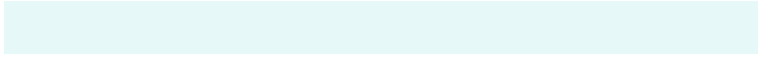
90.9010, 0.3021, 0.3290



90.9010, 0.3184, 0.3234

Square

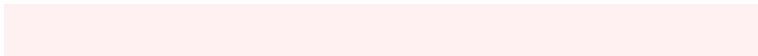
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.9010, 0.3021, 0.3290



90.9010, 0.3056, 0.3178



90.9010, 0.3235, 0.3289



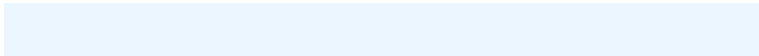
90.9010, 0.3198, 0.3404

Rectangle

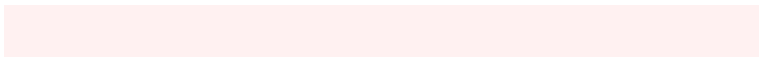
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



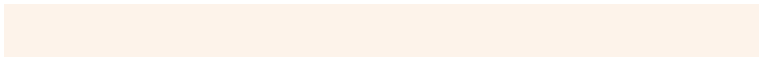
90.9010, 0.3021, 0.3290



90.9010, 0.3005, 0.3203



90.9010, 0.3235, 0.3289



90.9010, 0.3251, 0.3376

Sweetspot

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



90.9048, 0.3021, 0.3290



99.0449, 0.3096, 0.3290



89.9480, 0.3121, 0.3463



21.2097, 0.3097, 0.3290



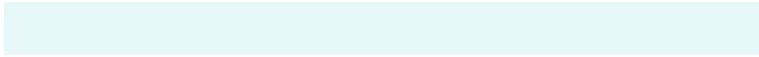
0.0000, 0.0000, 0.0000



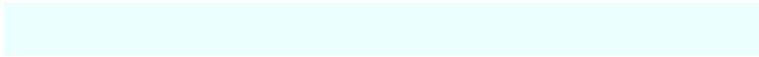
21.4041, 0.3127, 0.3290

Same Dimension

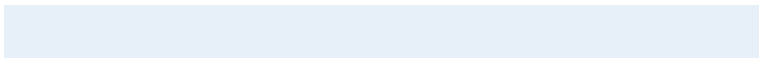
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.9048, 0.3021, 0.3290



96.3316, 0.3003, 0.3290



85.9738, 0.3021, 0.3207



19.6080, 0.2981, 0.3290



39.9112, 0.2248, 0.3293



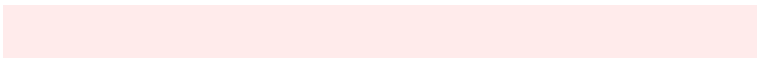
3.6967, 0.2248, 0.3293

Inverse Universe

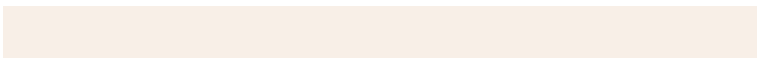
The Inverse Universe completely reimagines the original color for something new.



82.8998, 0.3244, 0.3290



86.4253, 0.3265, 0.3290



87.5979, 0.3236, 0.3372



17.2258, 0.3294, 0.3290



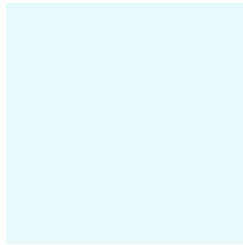
10.7813, 0.6399, 0.3299



0.9987, 0.6394, 0.3296

Previews

White Background



This preview shows how the Yxy color 90.9010, 0.3021, 0.3290 looks on a white background.

Color Contrast Check

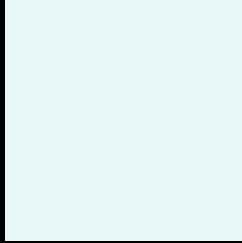
Large Text (above 18pt) WCAG AA × Fail

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 90.9010, 0.3021, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

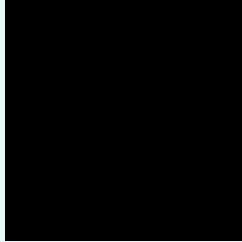
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

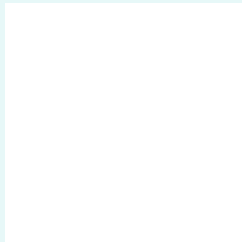
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.9010, 0.3021, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 90.9010, 0.3021, 0.3290.

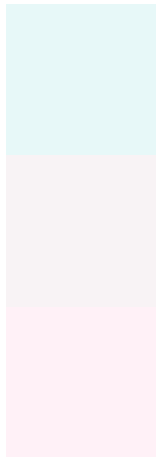


This preview shows how white text looks on a background with the Yxy color 90.9010, 0.3021, 0.3290.

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

90.9010, 0.3021, 0.3290

Protanopia

90.6502, 0.3148, 0.3270

Deuteranopia

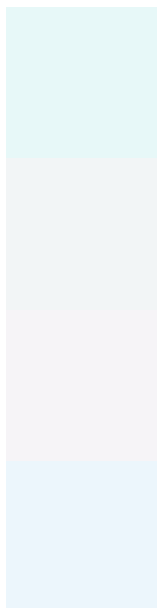
90.8860, 0.3182, 0.3232



Tritanopia

90.8755, 0.3030, 0.3191

Trichromacy



Original Color

90.9010, 0.3021, 0.3290

Protanomaly

90.8359, 0.3102, 0.3280

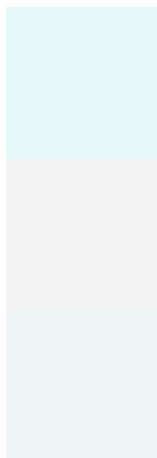
Deuteranomaly

91.0096, 0.3122, 0.3261

Tritanomaly

90.7727, 0.3029, 0.3230

Monochromacy



Original Color

90.9010, 0.3021, 0.3290

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

90.2481, 0.3089, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.9010, 0.3021, 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(231, 248, 248)` looks like.

```
.text, #text, p{  
    color:rgb(231, 248, 248)  
}
```

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(231, 248, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 248, 248) }
```

Border

The CSS property to change the border of an element to Yxy 90.9010, 0.3021, 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(231, 248, 248) }
```

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

```
.border{ border-color:rgb(231, 248, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 248, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 248, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 248, 248);  
box-shadow:4px 4px 4px 4px rgb(231, 248,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 90.9010, 0.3021, 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(231, 248, 248) }
```

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

```
.background{ background-color: rgb(231,  
248, 248) }
```

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](#).

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