

Converting Colors

$Y_{xy}(91.2177, 0.2989, 0.3214)$

Have a look what the booklet for
Yxy(91.2177, 0.2989, 0.3214)
contains.

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Color

Yxy(90.8973, 0.2987, 0.3210)

Conversions

Conversions Part 1

Format	Color
Hex	E8F7FF
RGB	232, 247, 255
RGB Percent	91%, 97%, 100%
CMY	0.0903, 0.0313, 0.0000
CMYK	0.09, 0.03, 0.00, 0.00
HSL	201°, 100%, 95%
HSV	201°, 9%, 100%
XYZ	84.5826, 90.8973, 107.6892
YIQ	243.4270, -11.5080, -0.6920

Conversions

Conversions Part 2

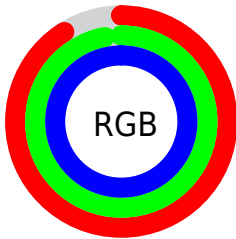
Format	Color
R _Y B	232, 241, 255
Decimal	15267839
CIE Lab	96.37, -3.41, -5.53
CIE LCh	96, 6.496, 238.327
Yxy	90.8973, 0.2987, 0.3210
Android (android.graphics.Color)	4293457919 (0xFFE8F7FF)
YUV	243.4270, 5.7055, -10.0215
Hunter-Lab	95.3401, -8.4857, -0.2316

Details

The Yxy color **90.8973, 0.2987, 0.3210** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.3803, 0.3277, 0.3369**, and the grayscale version is **89.9455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.5689, 0.2957, 0.3200** is the 20% darker color. If you saturate the color by 10%, you get **81.6582, 0.2830, 0.3112**, and if you desaturate by 10%, it is **99.9997, 0.3127, 0.3290**.

Distribution



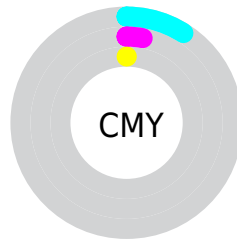
- Red (91%)
- Green (97%)
- Blue (100%)



- Red (91%)
- Yellow (95%)
- Blue (100%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (9%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.8973, 0.2987, 0.3210 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 90.8973, 0.2987, 0.3210 by changing the saturation by 10% instead.


 90.8973, 0.2987,
0.3210

 90.8973, 0.2987,
0.3210


530.9454, 0.3049,
0.3246

 68.7251, 0.2973,
0.3202


148.5842, 0.3008,
0.3222

 50.4879, 0.2957,
0.3192


184.8676, 0.3016,
0.3227

 35.8012, 0.2936,
0.3180

226.6236, 0.3024,
0.3231

 24.2807, 0.2910,
0.3165

274.2365, 0.3030,
0.3235

 15.5420, 0.2876,
0.3144

328.0908, 0.3036,
0.3238

 9.2006, 0.2829,
0.3116

388.5707, 0.3041,

 4.8723, 0.2761,

0.3241

0.3074

456.0608, 0.3045,
0.3244

■ 2.1725, 0.2652,
0.3005

■ 0.7049, 0.2387,
0.2867

■ 90.8973, 0.2987,
0.3210

■ 90.8973, 0.2987,
0.3210

■ 81.6582, 0.2830,
0.3112

99.9997, 0.3127,
0.3290

■ 73.2607, 0.2675,
0.3005

■ 65.6768, 0.2524,
0.2889

■ 58.8719, 0.2382,
0.2766

■ 52.8085, 0.2252,
0.2636

■ 47.4451, 0.2139,
0.2502

■ 42.7350, 0.2045,
0.2367

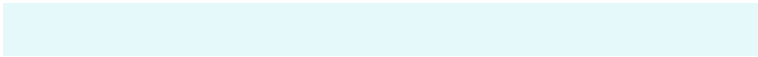
■ 38.6231, 0.1972,
0.2233

■ 35.0301, 0.1918,
0.2102

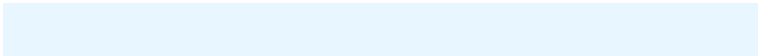
Harmonies

Analogous

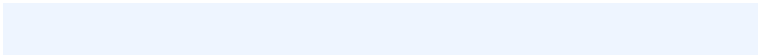
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8973, 0.2999, 0.3269



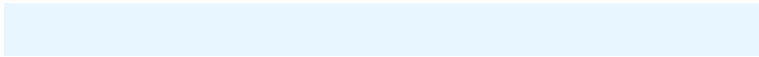
90.8973, 0.2987, 0.3210



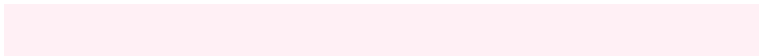
90.8973, 0.3013, 0.3173

Triad

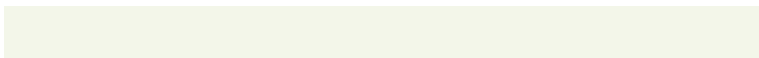
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.8973, 0.2987, 0.3210



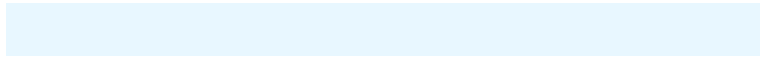
90.8973, 0.3210, 0.3245



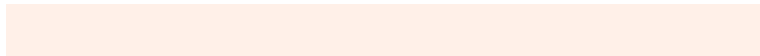
90.8973, 0.3185, 0.3416

Complementary

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



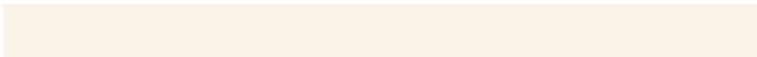
90.8973, 0.2987, 0.3210



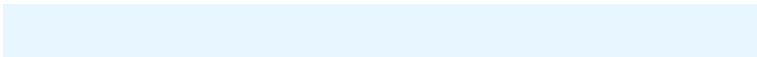
89.3803, 0.3277, 0.3369

Split Complementary

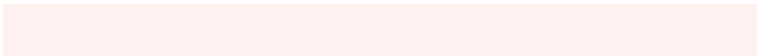
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.8973, 0.3243, 0.3408



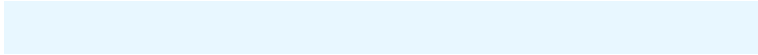
90.8973, 0.2987, 0.3210



90.8973, 0.3258, 0.3309

Square

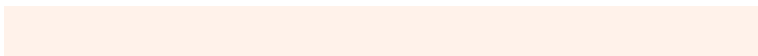
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



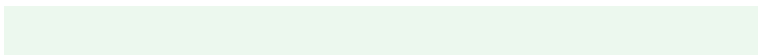
90.8973, 0.2987, 0.3210



90.8973, 0.3141, 0.3194



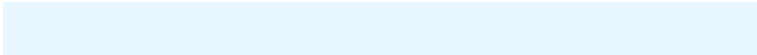
90.8973, 0.3269, 0.3368



90.8973, 0.3112, 0.3389

Rectangle

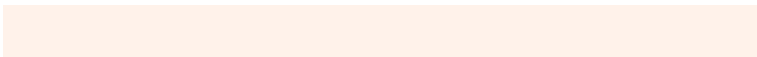
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.8973, 0.2987, 0.3210



90.8973, 0.3047, 0.3166



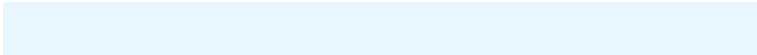
90.8973, 0.3269, 0.3368



90.8973, 0.3207, 0.3417

Sweetspot

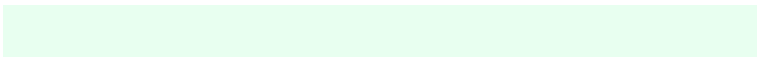
The Sweet Spot groups the original color and five complimentary colors.



90.9011, 0.2987, 0.3210



96.8969, 0.3081, 0.3264



94.9394, 0.3073, 0.3444



20.5653, 0.3068, 0.3257



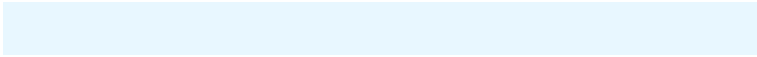
0.0000, 0.0000, 0.0000



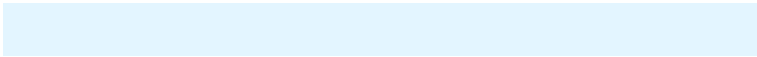
21.4041, 0.3127, 0.3290

Same Dimension

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



90.9011, 0.2987, 0.3210



89.0127, 0.2956, 0.3192



84.2553, 0.2986, 0.3096



19.3587, 0.2980, 0.3206



18.4215, 0.1920, 0.2111



1.9980, 0.1961, 0.2260

Inverse Universe

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



85.6757, 0.3188, 0.3144



82.7801, 0.3203, 0.3111



96.1777, 0.3266, 0.3476



18.1871, 0.3191, 0.3136



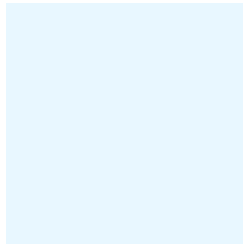
12.5876, 0.4330, 0.2159



1.2462, 0.4168, 0.2070

Previews

White Background



This preview shows how the Yxy color 90.8973, 0.2987, 0.3210 looks on a white background.

Color Contrast Check

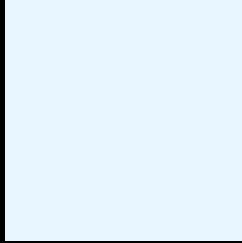
Large Text (above 18pt) WCAG AA × Fail

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 90.8973, 0.2987, 0.3210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

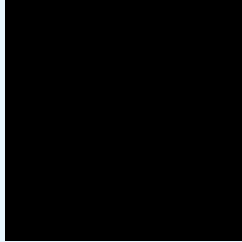
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

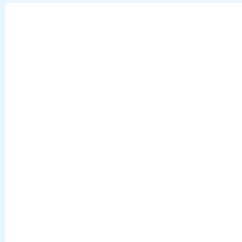
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.8973, 0.2987, 0.3210

Background



This preview shows how black text looks on a background with the Yxy color 90.8973, 0.2987, 0.3210.

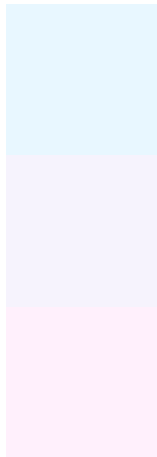


This preview shows how white text looks on a background with the Yxy color 90.8973, 0.2987, 0.3210.

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

90.8973, 0.2987, 0.3210

Protanopia

90.7859, 0.3087, 0.3192

Deuteranopia

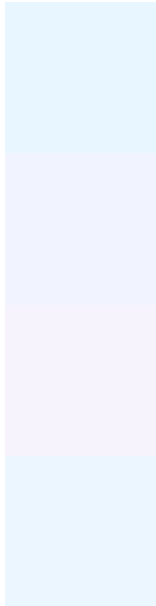
90.6085, 0.3152, 0.3175



Tritanopia

90.8755, 0.3030, 0.3191

Trichromacy



Original Color

90.8973, 0.2987, 0.3210

Protanomaly

90.5579, 0.3049, 0.3191

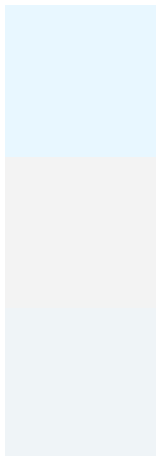
Deuteranomaly

90.9672, 0.3093, 0.3192

Tritanomaly

90.9644, 0.3012, 0.3201

Monochromacy



Original Color

90.8973, 0.2987, 0.3210

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.7675, 0.3077, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.8973, 0.2987, 0.3210 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(232, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 247, 255)  
}
```

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(232, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 247, 255) }
```

Border

The CSS property to change the border of an element to Yxy 90.8973, 0.2987, 0.3210 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(232, 247, 255) }
```

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

```
.border{ border-color:rgb(232, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 247,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 90.8973, 0.2987, 0.3210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 247, 255) }
```

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

```
.background{ background-color: rgb(232,  
247, 255) }
```

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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