

Converting Colors

$Yxy(63.8793, 0.2411, 0.3018)$

Have a look what the booklet for
Yxy(63.8793, 0.2411, 0.3018)
contains.

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Color

Yxy(63.9582, 0.2409, 0.3019)

Conversions

Conversions Part 1

Format	Color
Hex	78E0F6
RGB	120, 224, 246
RGB Percent	47%, 88%, 96%
CMY	0.5295, 0.1215, 0.0352
CMYK	0.51, 0.09, 0.00, 0.04
HSL	190°, 88%, 72%
HSV	190°, 51%, 96%
XYZ	51.0352, 63.9582, 96.8589
YIQ	195.4120, -69.0460, -15.2060

Conversions

Conversions Part 2

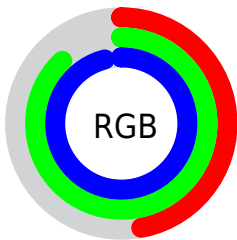
Format	Color
R _Y B	120, 177, 246
Decimal	7921910
CIE Lab	83.94, -24.40, -20.03
CIE LCh	84, 31.569, 219.386
Yxy	63.9582, 0.2409, 0.3019
Android (android.graphics.Color)	4286111990 (0xFF78E0F6)
YUV	195.4120, 24.9399, -66.1363
Hunter-Lab	79.9739, -26.0448, -15.8263

Details

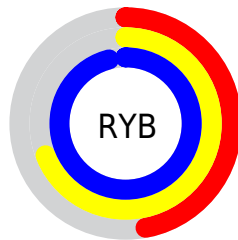
The Yxy color **63.9582, 0.2409, 0.3019** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **40.2954, 0.4472, 0.3528**, and the grayscale version is **54.7094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4433, 0.2701, 0.3289**, and **32.9059, 0.2243, 0.2946** is the 20% darker color. If you saturate the color by 10%, you get **60.1415, 0.2306, 0.2957**, and if you desaturate by 10%, it is **68.2899, 0.2528, 0.3079**.

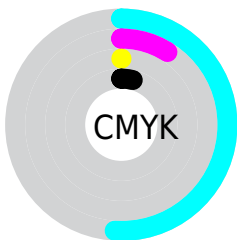
Distribution



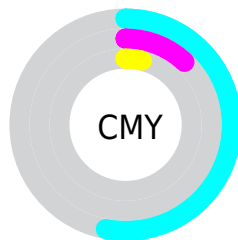
- Red (47%)
- Green (88%)
- Blue (96%)



- Red (47%)
- Yellow (69%)
- Blue (96%)



- Cyan (51%)
- Magenta (9%)
- Yellow (0%)
- Black (4%)




- Cyan (53%)
- Magenta (12%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.9582, 0.2409, 0.3019 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 63.9582, 0.2409, 0.3019 by changing the saturation by 10% instead.

 63.9582, 0.2409,
0.3019

 63.9582, 0.2409,
0.3019


439.0387, 0.2739,
0.3155

 46.6168, 0.2335,
0.2985


 110.5507, 0.2523,
0.3068

 32.7328, 0.2244,
0.2943


 140.5707, 0.2567,
0.3087

 21.9219, 0.2130,
0.2886


 175.5856, 0.2606,
0.3103

 13.7995, 0.1984,
0.2810

215.9799, 0.2639,
0.3116

 7.9813, 0.1790,
0.2701

262.1380, 0.2669,
0.3128

 4.0830, 0.1524,
0.2536

314.4442, 0.2695,

 1.7201, 0.1147,

0.3138

0.2263

373.2830, 0.2718,
0.3147

0.4366, 0.0000,
0.1660

0.0000, 0.0000,
0.0000

63.9582, 0.2409,
0.3019

63.9582, 0.2409,
0.3019

60.1415, 0.2306,
0.2957

68.2899, 0.2528,
0.3079

56.7967, 0.2222,
0.2894

73.1612, 0.2660,
0.3136

53.8853, 0.2158,
0.2830

78.6039, 0.2803,
0.3190

51.3580, 0.2113,
0.2767

84.6448, 0.2954,
0.3239

■ 49.3907, 0.2087,
0.2712

■ 91.3091, 0.3108,
0.3285

■ 96.1539, 0.3183,
0.3326

■ 98.8519, 0.3180,
0.3367

■ 99.4350, 0.3179,
0.3376

Harmonies

Analogous

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



63.9582, 0.2574, 0.3392



63.9582, 0.2409, 0.3019



63.9582, 0.2421, 0.2755

Triad

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



63.9582, 0.2409, 0.3019



63.9582, 0.3339, 0.2879



63.9582, 0.3645, 0.3975

Complementary

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



63.9582, 0.2409, 0.3019



40.2954, 0.4472, 0.3528

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.



63.9582, 0.3879, 0.3780



63.9582, 0.2409, 0.3019



63.9582, 0.3701, 0.3159

Square

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



63.9582, 0.2409, 0.3019



63.9582, 0.2937, 0.2696



63.9582, 0.3903, 0.3481



63.9582, 0.3279, 0.3980

Rectangle

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



63.9582, 0.2409, 0.3019



63.9582, 0.2527, 0.2665



63.9582, 0.3903, 0.3481



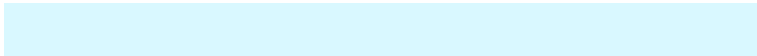
63.9582, 0.3742, 0.3928

Sweetspot

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



63.9606, 0.2409, 0.3019



89.2648, 0.2896, 0.3221



71.8376, 0.2955, 0.4665



18.8097, 0.2864, 0.3211



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.



63.9606, 0.2409, 0.3019



65.2924, 0.2308, 0.2958



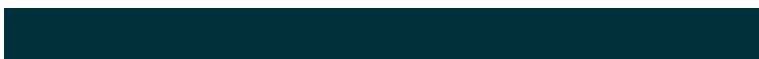
36.4840, 0.2246, 0.2197



18.2364, 0.2980, 0.3248



26.5432, 0.2090, 0.2722



2.4594, 0.2111, 0.2801

Inverse Universe

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



38.4059, 0.3393, 0.2240



35.8613, 0.3460, 0.2077



64.1403, 0.4092, 0.4166



16.7157, 0.3165, 0.3097



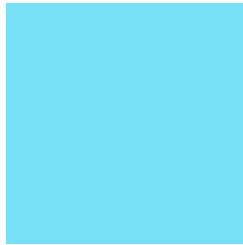
12.7789, 0.3707, 0.1816



1.1359, 0.3634, 0.1775

Previews

White Background



This preview shows how the Yxy color 63.9582, 0.2409, 0.3019 looks on a white background.

Color Contrast Check

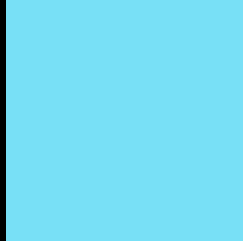
Large Text (above 18pt) WCAG AA × Fail

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 63.9582, 0.2409, 0.3019 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 63.9582, 0.2409, 0.3019

Background



This preview shows how black text looks on a background with the Yxy color 63.9582, 0.2409, 0.3019.

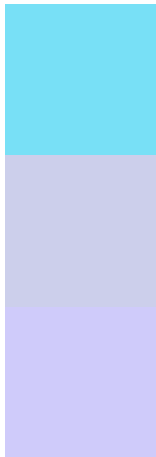


This preview shows how white text looks on a background with the Yxy color 63.9582, 0.2409, 0.3019.

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

63.9582, 0.2409, 0.3019

Protanopia

63.4612, 0.2917, 0.2976

Deuteranopia

62.8794, 0.2842, 0.2777



Tritanopia

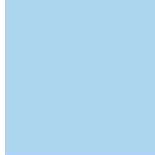
64.2434, 0.2421, 0.3067

Trichromacy



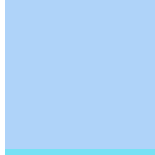
Original Color

63.9582, 0.2409, 0.3019



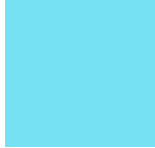
Protanomaly

62.7047, 0.2694, 0.2985



Deuteranomaly

62.5420, 0.2649, 0.2853



Tritanomaly

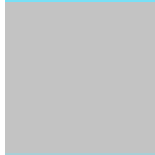
64.3040, 0.2416, 0.3055

Monochromacy



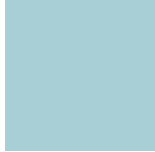
Original Color

63.9582, 0.2409, 0.3019



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

57.3225, 0.2802, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9582, 0.2409, 0.3019 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(120, 224, 246)` looks like.

```
.text, #text, p{  
    color:rgb(120, 224, 246)  
}
```

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(120, 224, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 224, 246) }
```

Border

The CSS property to change the border of an element to Yxy 63.9582, 0.2409, 0.3019 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(120, 224, 246) }
```

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

```
.border{ border-color:rgb(120, 224, 246) }
```

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

Here you see how a box with a 4 pixel rgb(120, 224, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 224, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 224, 246);  
box-shadow:4px 4px 4px 4px rgb(120, 224,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9582, 0.2409, 0.3019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 224, 246) }
```

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

```
.background{ background-color: rgb(120,  
224, 246) }
```

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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