

Converting Colors

$Yxy(48.8547, 0.2260, 0.2628)$

Have a look what the booklet for
Yxy(48.8547, 0.2260, 0.2628)
contains.

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Color

Yxy(48.6292, 0.2256, 0.2619)

Conversions

Conversions Part 1

Format	Color
Hex	67C3F7
RGB	103, 195, 247
RGB Percent	40%, 76%, 97%
CMY	0.5963, 0.2352, 0.0314
CMYK	0.58, 0.21, 0.00, 0.03
HSL	202°, 90%, 69%
HSV	202°, 58%, 97%
XYZ	41.8891, 48.6292, 95.1602
YIQ	173.4200, -71.5240, -3.3320

Conversions

Conversions Part 2

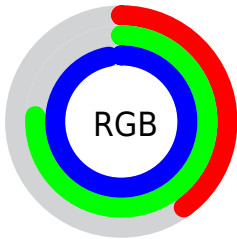
Format	Color
RYB	103, 159, 247
Decimal	6800375
CIELab	75.22, -12.69, -33.94
CIELCh	75, 36.236, 249.504
Yxy	48.6292, 0.2256, 0.2619
Android (android.graphics.Color)	4284990455 (0xFF67C3F7)
YUV	173.4200, 36.2749, -61.7583
Hunter-Lab	69.7346, -14.8120, -32.0932

Details

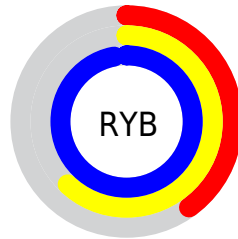
The Yxy color **48.6292, 0.2256, 0.2619** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **44.1610, 0.4556, 0.3832**, and the grayscale version is **41.8465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7333, 0.2619, 0.3256**, and **23.0005, 0.2041, 0.2436** is the 20% darker color. If you saturate the color by 10%, you get **43.5057, 0.2139, 0.2480**, and if you desaturate by 10%, it is **54.4256, 0.2389, 0.2754**.

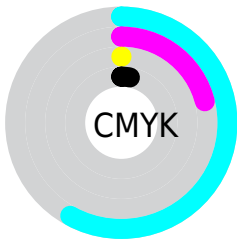
Distribution



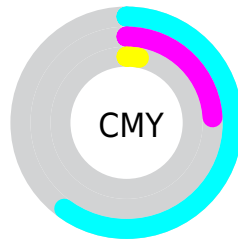
- Red (40%)
- Green (76%)
- Blue (97%)



- Red (40%)
- Yellow (62%)
- Blue (97%)



- Cyan (58%)
- Magenta (21%)
- Yellow (0%)
- Black (3%)



- Cyan (60%)
- Magenta (24%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6292, 0.2256, 0.2619 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 48.6292, 0.2256, 0.2619 by changing the saturation by 10% instead.

■ 48.6292, 0.2256,
0.2619

■ 48.6292, 0.2256,
0.2619

■ 381.2807, 0.2670,
0.2951

■ 34.3254, 0.2160,
0.2539

■ 88.1405, 0.2401,
0.2738

■ 23.1437, 0.2042,
0.2438

■ 114.1168, 0.2457,
0.2783

■ 14.6997, 0.1892,
0.2308

■ 144.7527, 0.2505,
0.2822

■ 8.6089, 0.1699,
0.2135

■ 180.4327, 0.2547,
0.2855

■ 4.4870, 0.1443,
0.1896

■ 221.5411, 0.2584,
0.2884

■ 1.9495, 0.1099,
0.1556

■ 268.4623, 0.2616,

■ 0.5779, 0.0428,

0.2909

0.1033

321.5807, 0.2645,
0.2931

0.0000, 0.0000,
0.0000

48.6292, 0.2256,
0.2619

48.6292, 0.2256,
0.2619

43.5057, 0.2139,
0.2480

54.4256, 0.2389,
0.2754

39.0066, 0.2041,
0.2339

60.9281, 0.2533,
0.2882

35.0829, 0.1965,
0.2199

68.1735, 0.2685,
0.3002

31.6653, 0.1909,
0.2063

76.1938, 0.2841,
0.3113

31.1259, 0.1900,
0.2040

85.0189, 0.2998,
0.3214

 94.6771, 0.3153,
0.3305

 99.4944, 0.3174,
0.3367

Harmonies

Analogous

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



48.6292, 0.2239, 0.2939



48.6292, 0.2256, 0.2619



48.6292, 0.2482, 0.2496

Triad

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



48.6292, 0.2256, 0.2619



48.6292, 0.3852, 0.3122



48.6292, 0.3306, 0.4170

Complementary

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



48.6292, 0.2256, 0.2619



44.1610, 0.4556, 0.3832

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.



48.6292, 0.3766, 0.4149



48.6292, 0.2256, 0.2619



48.6292, 0.4106, 0.3515

Square

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



48.6292, 0.2256, 0.2619



48.6292, 0.3392, 0.2783



48.6292, 0.4067, 0.3890



48.6292, 0.2820, 0.3890

Rectangle

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



48.6292, 0.2256, 0.2619



48.6292, 0.2735, 0.2519



48.6292, 0.4067, 0.3890



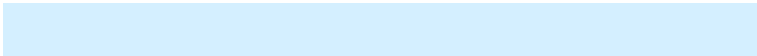
48.6292, 0.3469, 0.4196

Sweetspot

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



48.6310, 0.2256, 0.2619



83.1091, 0.2862, 0.3126



71.7031, 0.2822, 0.4535



17.3978, 0.2830, 0.3105



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.



48.6310, 0.2256, 0.2619



45.8645, 0.2120, 0.2455



24.1465, 0.2046, 0.1667



17.6934, 0.2980, 0.3203



16.7429, 0.1906, 0.2063



1.6660, 0.1954, 0.2234

Inverse Universe

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



33.4001, 0.3743, 0.2356



30.2421, 0.3926, 0.2231



74.8037, 0.4078, 0.4498



16.6609, 0.3193, 0.3140



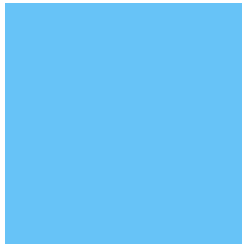
11.7896, 0.4383, 0.2188



1.0558, 0.4196, 0.2085

Previews

White Background



This preview shows how the Yxy color 48.6292, 0.2256, 0.2619 looks on a white background.

Color Contrast Check

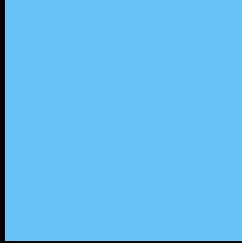
Large Text (above 18pt) WCAG AA × Fail

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 48.6292, 0.2256, 0.2619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

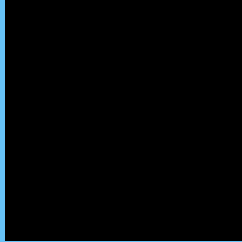
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

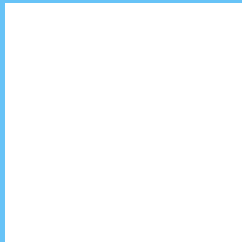
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.6292, 0.2256, 0.2619

Background



This preview shows how black text looks on a background with the Yxy color 48.6292, 0.2256, 0.2619.

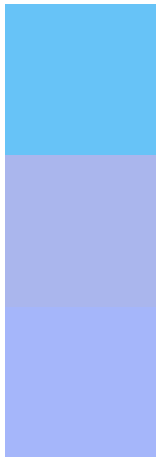


This preview shows how white text looks on a background with the Yxy color 48.6292, 0.2256, 0.2619.

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

48.6292, 0.2256, 0.2619

Protanopia

48.1164, 0.2647, 0.2621

Deuteranopia

48.3574, 0.2538, 0.2480



Tritanopia

48.4920, 0.2353, 0.3051

Trichromacy



Original Color

48.6292, 0.2256, 0.2619

Protanomaly

48.0025, 0.2478, 0.2615

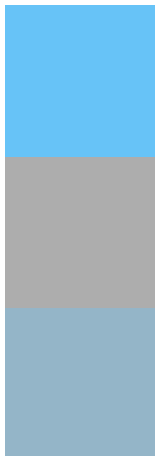
Deuteranomaly

48.1310, 0.2414, 0.2525

Tritanomaly

48.4225, 0.2316, 0.2882

Monochromacy



Original Color

48.6292, 0.2256, 0.2619

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.5138, 0.2726, 0.3029

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6292, 0.2256, 0.2619 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(103, 195, 247)` looks like.

```
.text, #text, p{  
    color:rgb(103, 195, 247)  
}
```

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(103, 195, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 195, 247) }
```

Border

The CSS property to change the border of an element to Yxy 48.6292, 0.2256, 0.2619 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(103, 195, 247) }
```

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

```
.border{ border-color:rgb(103, 195, 247) }
```

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

Here you see how a box with a 4 pixel rgb(103, 195, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 195, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 195, 247);  
box-shadow:4px 4px 4px 4px rgb(103, 195,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6292, 0.2256, 0.2619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 195, 247) }
```

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

```
.background{ background-color: rgb(103,  
195, 247) }
```

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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