

Converting Colors

$Yxy(48.9145, 0.2170, 0.2540)$

Have a look what the booklet for
Yxy(48.9145, 0.2170, 0.2540)
contains.

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Color

Yxy(48.7261, 0.2170, 0.2534)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 57C4FF |
| RGB | 87, 196, 255 |
| RGB Percent | 34%, 77%, 100% |
| CMY | 0.6586, 0.2314, 0.0000 |
| CMYK | 0.66, 0.23, 0.00, 0.00 |
| HSL | 201°, 100%, 67% |
| HSV | 201°, 66%, 100% |
| XYZ | 41.7268, 48.7261, 101.8364 |
| YIQ | 170.1350, -83.9030, -4.7590 |

Conversions

Conversions Part 2

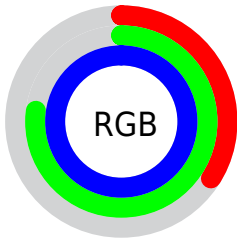
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 87, 153, 255 |
| Decimal | 5752063 |
| CIE Lab | 75.28, -13.44, -38.21 |
| CIE LCh | 75, 40.504, 250.620 |
| Yxy | 48.7261, 0.2170, 0.2534 |
| Android (android.graphics.Color) | 4283942143 (0xFF57C4FF) |
| YUV | 170.1350, 41.8384, -72.9094 |
| Hunter-Lab | 69.8041, -15.4552, -37.6347 |

Details

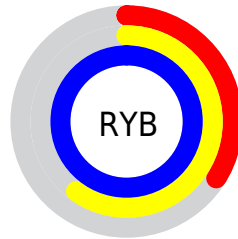
The Yxy color **48.7261, 0.2170, 0.2534** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **42.5243, 0.4832, 0.3859**, and the grayscale version is **40.0941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1460, 0.2567, 0.3266**, and **23.4232, 0.1983, 0.2338** is the 20% darker color. If you saturate the color by 10%, you get **43.7853, 0.2069, 0.2397**, and if you desaturate by 10%, it is **54.3413, 0.2290, 0.2669**.

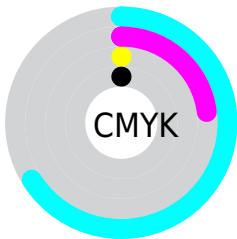
Distribution



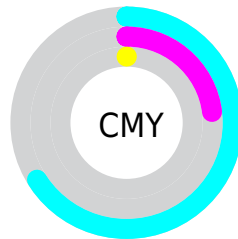
- Red (34%)
- Green (77%)
- Blue (100%)



- Red (34%)
- Yellow (60%)
- Blue (100%)



- Cyan (66%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)




- Cyan (66%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7261, 0.2170, 0.2534 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 48.7261, 0.2170, 0.2534 by changing the saturation by 10% instead.


 48.7261, 0.2170,
0.2534


 48.7261, 0.2170,
0.2534

381.6630, 0.2622,
0.2906


 34.4023, 0.2067,
0.2445


 88.2845, 0.2327,
0.2666

 23.2028, 0.1940,
0.2334


 114.2879, 0.2388,
0.2717

 14.7433, 0.1782,
0.2192


 144.9532, 0.2441,
0.2760

 8.6394, 0.1579,
0.2006

 180.6649, 0.2487,
0.2797

 4.5068, 0.1317,
0.1753

221.8073, 0.2527,
0.2830

 1.9609, 0.0974,
0.1404

268.7649, 0.2562,

 0.5846, 0.0348,

0.2858

0.0895

321.9220, 0.2594,
0.2884

0.0000, 0.0000,
0.0000

48.7261, 0.2170,
0.2534

48.7261, 0.2170,
0.2534

43.7853, 0.2069,
0.2397

54.3413, 0.2290,
0.2669

39.4672, 0.1989,
0.2261

60.6764, 0.2425,
0.2799

35.7078, 0.1929,
0.2127

67.7714, 0.2571,
0.2922

34.2786, 0.1909,
0.2072

75.6630, 0.2724,
0.3037

84.3851, 0.2880,
0.3142

■ 93.9690, 0.3036,
0.3238

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



48.7261, 0.2141, 0.2876



48.7261, 0.2170, 0.2534



48.7261, 0.2425, 0.2411

Triad

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



48.7261, 0.2170, 0.2534



48.7261, 0.3953, 0.3115



48.7261, 0.3300, 0.4275

Complementary

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



48.7261, 0.2170, 0.2534



42.5243, 0.4832, 0.3859

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.



48.7261, 0.3817, 0.4253



48.7261, 0.2170, 0.2534



48.7261, 0.4225, 0.3547

Square

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



48.7261, 0.2170, 0.2534



48.7261, 0.3441, 0.2742



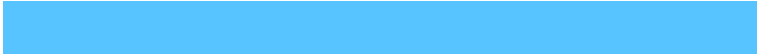
48.7261, 0.4165, 0.3962



48.7261, 0.2762, 0.3949

Rectangle

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



48.7261, 0.2170, 0.2534



48.7261, 0.2707, 0.2444



48.7261, 0.4165, 0.3962



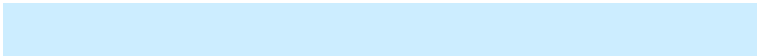
48.7261, 0.3482, 0.4306

Sweetspot

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



48.7260, 0.2170, 0.2534



80.6733, 0.2815, 0.3100



75.6189, 0.2807, 0.4731



16.7455, 0.2771, 0.3070



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.



48.7260, 0.2170, 0.2534



42.3661, 0.2041, 0.2354



20.8909, 0.1906, 0.1432



19.3443, 0.2980, 0.3204



18.2024, 0.1915, 0.2094



1.9777, 0.1957, 0.2246

Inverse Universe

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



32.0700, 0.3840, 0.2255



27.3267, 0.4046, 0.2159



78.4356, 0.4187, 0.4612



18.1856, 0.3192, 0.3137



12.5655, 0.4348, 0.2169



1.2442, 0.4183, 0.2078

Previews

White Background



This preview shows how the Yxy color 48.7261, 0.2170, 0.2534 looks on a white background.

Color Contrast Check

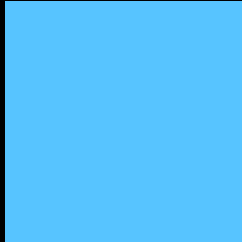
Large Text (above 18pt) WCAG AA × Fail

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 48.7261, 0.2170, 0.2534 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

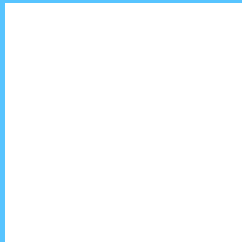
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.7261, 0.2170, 0.2534

Background



This preview shows how black text looks on a background with the Yxy color 48.7261, 0.2170, 0.2534.

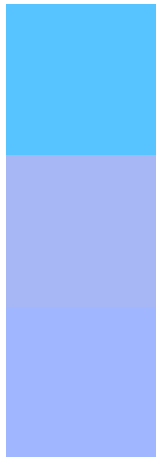


This preview shows how white text looks on a background with the Yxy color 48.7261, 0.2170, 0.2534.

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

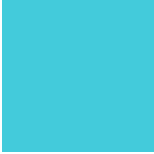
48.7261, 0.2170, 0.2534

Protanopia

48.2030, 0.2585, 0.2544

Deuteranopia

48.1495, 0.2480, 0.2423



Tritanopia

49.0196, 0.2278, 0.3063

Trichromacy



Original Color

48.7261, 0.2170, 0.2534

Protanomaly

47.7212, 0.2397, 0.2531

Deuteranomaly

47.7472, 0.2337, 0.2453

Tritanomaly

48.5906, 0.2233, 0.2852

Monochromacy



Original Color

48.7261, 0.2170, 0.2534

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.0327, 0.2660, 0.2983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7261, 0.2170, 0.2534 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(87, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 196, 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(87, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 196, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.7261, 0.2170, 0.2534 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(87, 196, 255) }
```

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

```
.border{ border-color:rgb(87, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 196,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7261, 0.2170, 0.2534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 196, 255) }
```

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

```
.background{ background-color: rgb(87, 196,  
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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