

Converting Colors

$Y_{xy}(48.3009, 0.2214, 0.2507)$

Have a look what the booklet for
Yxy(48.3009, 0.2214, 0.2507)
contains.

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Color

Yxy(48.1847, 0.2214, 0.2504)

Conversions

Conversions Part 1

Format	Color
Hex	66C1FF
RGB	102, 193, 255
RGB Percent	40%, 76%, 100%
CMY	0.5996, 0.2432, 0.0001
CMYK	0.60, 0.24, 0.00, 0.00
HSL	204°, 100%, 70%
HSV	204°, 60%, 100%
XYZ	42.6042, 48.1847, 101.6420
YIQ	172.8590, -74.1380, -0.0100

Conversions

Conversions Part 2

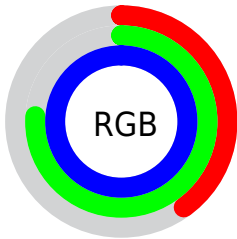
Format	Color
R _Y B	102, 159, 255
Decimal	6734335
CIE Lab	74.94, -9.33, -38.67
CIE LCh	75, 39.779, 256.431
Yxy	48.1847, 0.2214, 0.2504
Android (android.graphics.Color)	4284924415 (0xFF66C1FF)
YUV	172.8590, 40.4955, -62.1433
Hunter-Lab	69.4152, -11.9206, -38.2254

Details

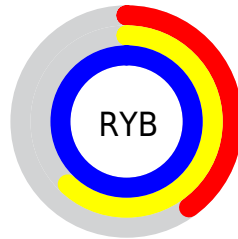
The Yxy color **48.1847, 0.2214, 0.2504** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.7982, 0.4564, 0.3912**, and the grayscale version is **41.5446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8639, 0.2615, 0.3222**, and **22.9821, 0.1993, 0.2306** is the 20% darker color. If you saturate the color by 10%, you get **42.5050, 0.2093, 0.2345**, and if you desaturate by 10%, it is **54.6455, 0.2351, 0.2658**.

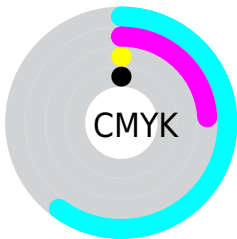
Distribution



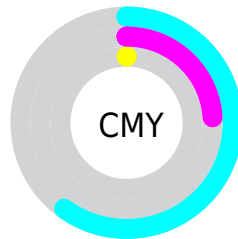
- Red (40%)
- Green (76%)
- Blue (100%)



- Red (40%)
- Yellow (62%)
- Blue (100%)



- Cyan (60%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)




- Cyan (60%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1847, 0.2214, 0.2504 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 48.1847, 0.2214, 0.2504 by changing the saturation by 10% instead.


 48.1847, 0.2214,
0.2504


 48.1847, 0.2214,
0.2504


379.5238, 0.2647,
0.2888


 33.9732, 0.2114,
0.2413


 87.4793, 0.2365,
0.2640

 22.8730, 0.1992,
0.2300


 113.3312, 0.2424,
0.2692

 14.4998, 0.1838,
0.2155


 143.8321, 0.2474,
0.2737

 8.4691, 0.1640,
0.1966

179.3662, 0.2518,
0.2775

 4.3965, 0.1382,
0.1711

220.3181, 0.2557,
0.2809

 1.8978, 0.1040,
0.1360

267.0720, 0.2590,

 0.5470, 0.0447,

0.2838

0.0838

320.0124, 0.2621,
0.2865

0.0000, 0.0000,
0.0000

48.1847, 0.2214,
0.2504

48.1847, 0.2214,
0.2504

42.5050, 0.2093,
0.2345

54.6455, 0.2351,
0.2658

37.5512, 0.1992,
0.2186

61.9264, 0.2499,
0.2806

33.2665, 0.1913,
0.2028

70.0695, 0.2655,
0.2943

29.5596, 0.1855,
0.1876

79.1117, 0.2814,
0.3071

29.5442, 0.1854,
0.1876

89.0874, 0.2972,
0.3186

99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



48.1847, 0.2141, 0.2800



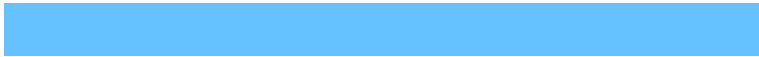
48.1847, 0.2214, 0.2504



48.1847, 0.2507, 0.2423

Triad

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



48.1847, 0.2214, 0.2504



48.1847, 0.4017, 0.3198



48.1847, 0.3193, 0.4224

Complementary

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



48.1847, 0.2214, 0.2504



48.7982, 0.4564, 0.3912

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.



48.1847, 0.3718, 0.4269



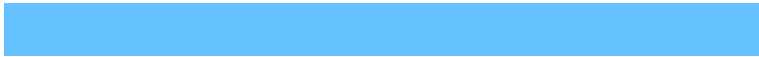
48.1847, 0.2214, 0.2504



48.1847, 0.4224, 0.3628

Square

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



48.1847, 0.2214, 0.2504



48.1847, 0.3545, 0.2813



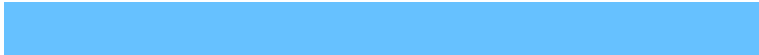
48.1847, 0.4104, 0.4023



48.1847, 0.2675, 0.3844

Rectangle

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



48.1847, 0.2214, 0.2504



48.1847, 0.2808, 0.2479



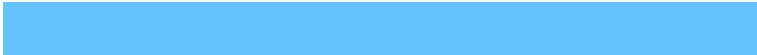
48.1847, 0.4104, 0.4023



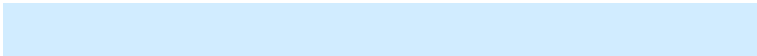
48.1847, 0.3374, 0.4278

Sweetspot

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



48.1864, 0.2214, 0.2504



81.0056, 0.2845, 0.3094



76.9891, 0.2784, 0.4477



16.7436, 0.2799, 0.3059



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.



48.1864, 0.2214, 0.2504



41.4437, 0.2071, 0.2313



22.8628, 0.1993, 0.1522



19.1737, 0.2979, 0.3191



15.7414, 0.1861, 0.1901



1.7473, 0.1910, 0.2075

Inverse Universe

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



34.6284, 0.3850, 0.2397



29.1357, 0.4070, 0.2288



84.3541, 0.4060, 0.4584



18.1684, 0.3201, 0.3150



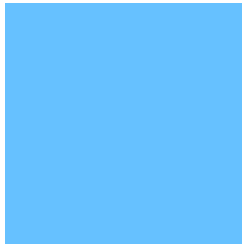
12.3171, 0.4567, 0.2289



1.2209, 0.4369, 0.2180

Previews

White Background



This preview shows how the Yxy color 48.1847, 0.2214, 0.2504 looks on a white background.

Color Contrast Check

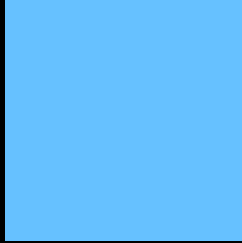
Large Text (above 18pt) WCAG AA × Fail

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 48.1847, 0.2214, 0.2504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

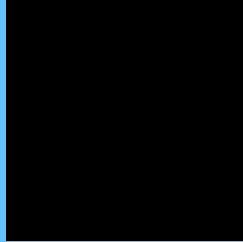
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

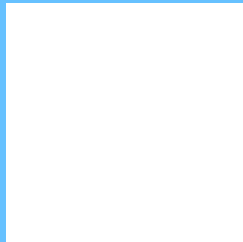
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.1847, 0.2214, 0.2504

Background



This preview shows how black text looks on a background with the Yxy color 48.1847, 0.2214, 0.2504.



This preview shows how white text looks on a background with the Yxy color 48.1847, 0.2214, 0.2504.

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

48.1847, 0.2214, 0.2504

Protanopia

47.7009, 0.2559, 0.2508

Deuteranopia

47.6387, 0.2472, 0.2409



Tritanopia

48.1977, 0.2339, 0.3064

Trichromacy



Original Color

48.1847, 0.2214, 0.2504

Protanomaly

47.2883, 0.2410, 0.2499

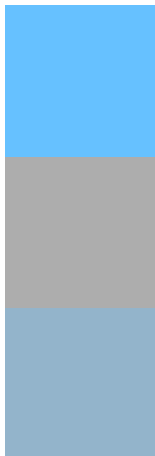
Deuteranomaly

47.3212, 0.2359, 0.2433

Tritanomaly

47.8698, 0.2289, 0.2841

Monochromacy



Original Color

48.1847, 0.2214, 0.2504

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.1574, 0.2698, 0.2975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1847, 0.2214, 0.2504 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(102, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 193, 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(102, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 193, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.1847, 0.2214, 0.2504 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(102, 193, 255) }
```

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

```
.border{ border-color:rgb(102, 193, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 193, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 193,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1847, 0.2214, 0.2504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 193, 255) }
```

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

```
.background{ background-color: rgb(102,  
193, 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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