

Converting Colors

$Y_{xy}(50.1294, 0.2210, 0.2567)$

Have a look what the booklet for
Yxy(50.1294, 0.2210, 0.2567)
contains.

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Color

Yxy(50.1496, 0.2210, 0.2567)

Conversions

Conversions Part 1

Format	Color
Hex	61C6FF
RGB	97, 198, 255
RGB Percent	38%, 78%, 100%
CMY	0.6197, 0.2235, 0.0000
CMYK	0.62, 0.22, 0.00, 0.00
HSL	202°, 100%, 69%
HSV	202°, 62%, 100%
XYZ	43.1752, 50.1496, 102.0379
YIQ	174.2990, -78.4930, -3.6850

Conversions

Conversions Part 2

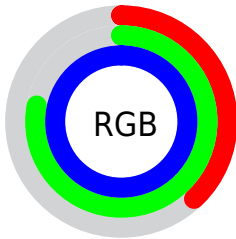
Format	Color
R _Y B	97, 159, 255
Decimal	6407935
CIE Lab	76.16, -12.89, -36.82
CIE LCh	76, 39.010, 250.708
Yxy	50.1496, 0.2210, 0.2567
Android (android.graphics.Color)	4284598015 (0xFF61C6FF)
YUV	174.2990, 39.7856, -67.7912
Hunter-Lab	70.8164, -15.1012, -35.8583

Details

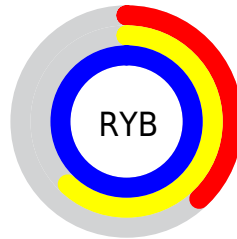
The Yxy color **50.1496, 0.2210, 0.2567** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.2246, 0.4684, 0.3855**, and the grayscale version is **42.3073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2136, 0.2605, 0.3288**, and **24.0237, 0.1993, 0.2374** is the 20% darker color. If you saturate the color by 10%, you get **44.8890, 0.2100, 0.2427**, and if you desaturate by 10%, it is **56.1150, 0.2338, 0.2704**.

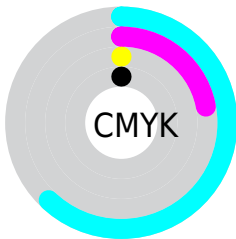
Distribution



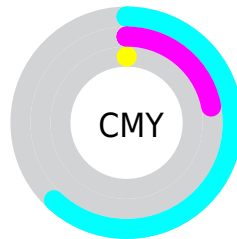
- Red (38%)
- Green (78%)
- Blue (100%)



- Red (38%)
- Yellow (62%)
- Blue (100%)



- Cyan (62%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (62%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1496, 0.2210, 0.2567 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 50.1496, 0.2210, 0.2567 by changing the saturation by 10% instead.

50.1496, 0.2210,
0.2567

50.1496, 0.2210,
0.2567

387.2507, 0.2642,
0.2922

35.5323, 0.2111,
0.2483

90.3965, 0.2360,
0.2693

24.0732, 0.1990,
0.2377

116.7949, 0.2419,
0.2741

15.3879, 0.1838,
0.2242

147.8890, 0.2469,
0.2782

9.0921, 0.1643,
0.2064

184.0634, 0.2513,
0.2818

4.8013, 0.1390,
0.1823

225.7023, 0.2551,
0.2849

2.1312, 0.1054,
0.1487

273.1903, 0.2585,

0.6821, 0.0493,

0.2876

0.1008

326.9116, 0.2615,
0.2900

0.0000, 0.0000,
0.0000

50.1496, 0.2210,
0.2567

50.1496, 0.2210,
0.2567

44.8890, 0.2100,
0.2427

56.1150, 0.2338,
0.2704

40.2846, 0.2010,
0.2286

62.8292, 0.2478,
0.2835

36.2772, 0.1941,
0.2147

70.3312, 0.2628,
0.2959

33.4233, 0.1900,
0.2038

78.6566, 0.2784,
0.3073

87.8386, 0.2941,
0.3178

97.9083, 0.3097,
0.3273

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.



50.1496, 0.2182, 0.2895



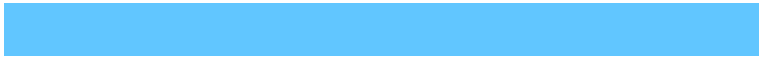
50.1496, 0.2210, 0.2567



50.1496, 0.2456, 0.2448

Triad

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



50.1496, 0.2210, 0.2567



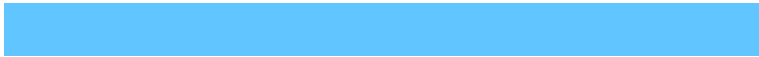
50.1496, 0.3916, 0.3125



50.1496, 0.3293, 0.4226

Complementary

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



50.1496, 0.2210, 0.2567



45.2246, 0.4684, 0.3855

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.



50.1496, 0.3787, 0.4210



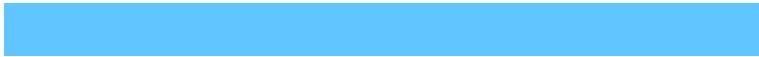
50.1496, 0.2210, 0.2567



50.1496, 0.4175, 0.3541

Square

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



50.1496, 0.2210, 0.2567



50.1496, 0.3429, 0.2766



50.1496, 0.4119, 0.3937



50.1496, 0.2779, 0.3914

Rectangle

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



50.1496, 0.2210, 0.2567



50.1496, 0.2728, 0.2478



50.1496, 0.4119, 0.3937



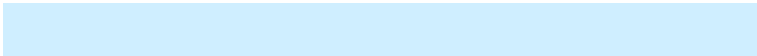
50.1496, 0.3467, 0.4257

Sweetspot

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



50.1493, 0.2210, 0.2567



81.2934, 0.2830, 0.3105



76.3363, 0.2814, 0.4631



16.8564, 0.2785, 0.3074



0.0000, 0.0000, 0.0000



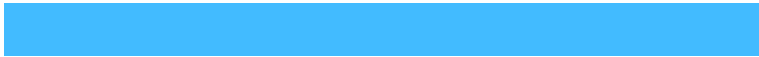
21.4041, 0.3127, 0.3290

Same Dimension

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



50.1493, 0.2210, 0.2567



43.9033, 0.2080, 0.2398



23.3567, 0.1976, 0.1550



19.3147, 0.2980, 0.3202



17.7578, 0.1906, 0.2061



1.9364, 0.1949, 0.2216

Inverse Universe

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



33.8821, 0.3799, 0.2311



28.7768, 0.3991, 0.2201



79.4404, 0.4133, 0.4557



18.1826, 0.3194, 0.3139



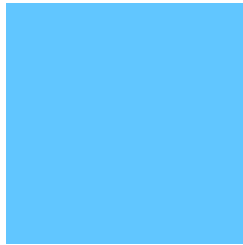
12.5206, 0.4385, 0.2189



1.2400, 0.4215, 0.2095

Previews

White Background



This preview shows how the Yxy color 50.1496, 0.2210, 0.2567 looks on a white background.

Color Contrast Check

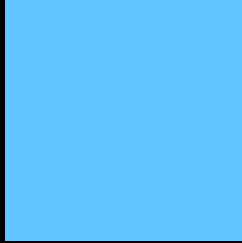
Large Text (above 18pt) WCAG AA × Fail

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 50.1496, 0.2210, 0.2567 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

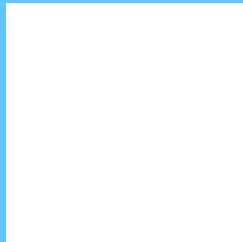
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.1496, 0.2210, 0.2567

Background



This preview shows how black text looks on a background with the Yxy color 50.1496, 0.2210, 0.2567.



This preview shows how white text looks on a background with the Yxy color 50.1496, 0.2210, 0.2567.

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

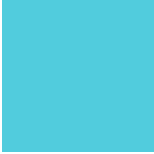
50.1496, 0.2210, 0.2567

Protanopia

49.4196, 0.2602, 0.2562

Deuteranopia

49.5003, 0.2514, 0.2454



Tritanopia

50.1555, 0.2315, 0.3053

Trichromacy



Original Color

50.1496, 0.2210, 0.2567

Protanomaly

49.0744, 0.2424, 0.2551

Deuteranomaly

49.1906, 0.2378, 0.2486

Tritanomaly

50.1505, 0.2277, 0.2873

Monochromacy



Original Color

50.1496, 0.2210, 0.2567

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

44.2898, 0.2695, 0.3017

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1496, 0.2210, 0.2567 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(97, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(97, 198, 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(97, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 198, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.1496, 0.2210, 0.2567 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(97, 198, 255) }
```

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

```
.border{ border-color:rgb(97, 198, 255) }
```

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

Here you see how a box with a 4 pixel rgb(97, 198, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(97, 198,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1496, 0.2210, 0.2567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 198, 255) }
```

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

```
.background{ background-color: rgb(97, 198,  
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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