

Converting Colors

$Y_{xy}(50.2126, 0.2196, 0.2574)$

Have a look what the booklet for
Yxy(50.2126, 0.2196, 0.2574)
contains.

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Color

Yxy(50.3422, 0.2196, 0.2578)

Conversions

Conversions Part 1

Format	Color
Hex	5CC7FF
RGB	92, 199, 255
RGB Percent	36%, 78%, 100%
CMY	0.6393, 0.2196, 0.0001
CMYK	0.64, 0.22, 0.00, 0.00
HSL	201°, 100%, 68%
HSV	201°, 64%, 100%
XYZ	42.8826, 50.3422, 102.0513
YIQ	173.3910, -81.7480, -5.2680

Conversions

Conversions Part 2

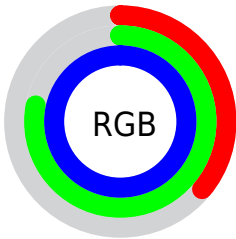
Format	Color
R_{YB}	92, 157, 255
Decimal	6080511
CIE _{Lab}	76.28, -14.27, -36.63
CIE _{LCh}	76, 39.305, 248.718
Yxy	50.3422, 0.2196, 0.2578
Android (android.graphics.Color)	4284270591 (0xFF5CC7FF)
YUV	173.3910, 40.2332, -71.3799
Hunter-Lab	70.9522, -16.2832, -35.6109

Details

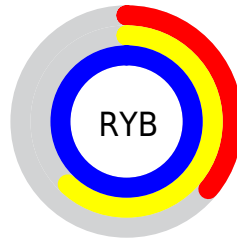
The Yxy color **50.3422, 0.2196, 0.2578** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **43.1948, 0.4775, 0.3837**, and the grayscale version is **41.8188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8079, 0.2588, 0.3288**, and **24.3280, 0.1998, 0.2392** is the 20% darker color. If you saturate the color by 10%, you get **45.3304, 0.2092, 0.2445**, and if you desaturate by 10%, it is **56.0311, 0.2318, 0.2709**.

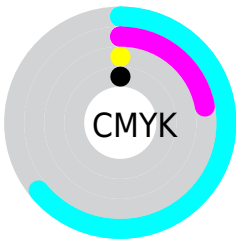
Distribution



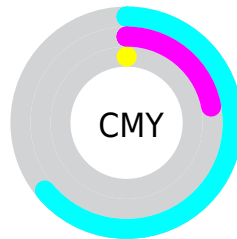
- Red (36%)
- Green (78%)
- Blue (100%)



- Red (36%)
- Yellow (62%)
- Blue (100%)



- Cyan (64%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (64%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3422, 0.2196, 0.2578 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 50.3422, 0.2196, 0.2578 by changing the saturation by 10% instead.


 50.3422, 0.2196,
0.2578


 50.3422, 0.2196,
0.2578


388.0026, 0.2634,
0.2928


 35.6854, 0.2096,
0.2494


 90.6817, 0.2348,
0.2703


 24.1913, 0.1973,
0.2390


 117.1331, 0.2408,
0.2750

 15.4756, 0.1820,
0.2256


 148.2849, 0.2459,
0.2791

 9.1538, 0.1624,
0.2079

 184.5214, 0.2503,
0.2826

 4.8417, 0.1369,
0.1839

226.2271, 0.2542,
0.2856

 2.1547, 0.1033,
0.1504

273.7862, 0.2576,

 0.6951, 0.0462,

0.2883

0.1029

327.5833, 0.2607,
0.2907

0.0000, 0.0000,
0.0000

50.3422, 0.2196,
0.2578

50.3422, 0.2196,
0.2578

45.3304, 0.2092,
0.2445

56.0311, 0.2318,
0.2709

40.9400, 0.2009,
0.2311

62.4355, 0.2454,
0.2834


37.1123, 0.1947,
0.2180

69.5962, 0.2601,
0.2953

35.0121, 0.1917,
0.2101

77.5491, 0.2754,
0.3063

86.3272, 0.2910,
0.3165

 95.9615, 0.3066,
0.3256

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



50.3422, 0.2183, 0.2922



50.3422, 0.2196, 0.2578



50.3422, 0.2429, 0.2444

Triad

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



50.3422, 0.2196, 0.2578



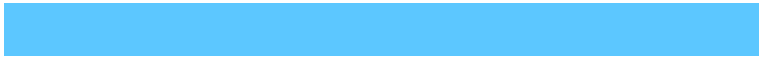
50.3422, 0.3894, 0.3098



50.3422, 0.3329, 0.4241

Complementary

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



50.3422, 0.2196, 0.2578



43.1948, 0.4775, 0.3837

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.



50.3422, 0.3819, 0.4204



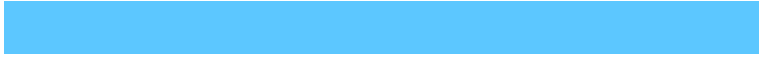
50.3422, 0.2196, 0.2578



50.3422, 0.4174, 0.3514

Square

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



50.3422, 0.2196, 0.2578



50.3422, 0.3395, 0.2742



50.3422, 0.4138, 0.3917



50.3422, 0.2809, 0.3948

Rectangle

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



50.3422, 0.2196, 0.2578



50.3422, 0.2695, 0.2467



50.3422, 0.4138, 0.3917



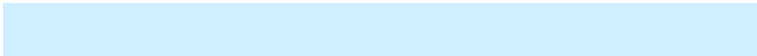
50.3422, 0.3503, 0.4265

Sweetspot

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



50.3440, 0.2196, 0.2578



81.7810, 0.2831, 0.3114



75.8699, 0.2822, 0.4718



16.9748, 0.2786, 0.3085



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.



50.3440, 0.2196, 0.2578



43.9238, 0.2064, 0.2404



22.7213, 0.1948, 0.1522



19.3694, 0.2980, 0.3206



18.5859, 0.1923, 0.2123



2.0132, 0.1964, 0.2271

Inverse Universe

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



33.0314, 0.3795, 0.2264



27.9646, 0.3993, 0.2155



77.4159, 0.4178, 0.4565



18.1882, 0.3191, 0.3135



12.6042, 0.4316, 0.2151



1.2478, 0.4157, 0.2064

Previews

White Background



This preview shows how the Yxy color 50.3422, 0.2196, 0.2578 looks on a white background.

Color Contrast Check

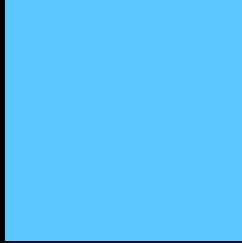
Large Text (above 18pt) WCAG AA × Fail

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 50.3422, 0.2196, 0.2578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

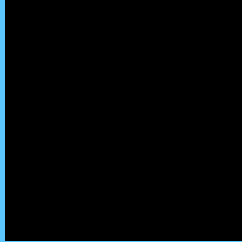
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

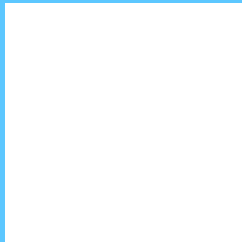
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.3422, 0.2196, 0.2578

Background



This preview shows how black text looks on a background with the Yxy color 50.3422, 0.2196, 0.2578.

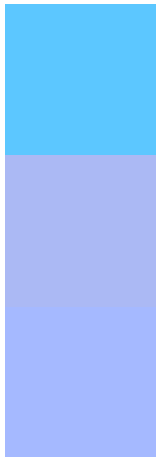


This preview shows how white text looks on a background with the Yxy color 50.3422, 0.2196, 0.2578.

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

50.3422, 0.2196, 0.2578

Protanopia

49.8875, 0.2616, 0.2586

Deuteranopia

49.9173, 0.2516, 0.2466



Tritanopia

50.4324, 0.2295, 0.3053

Trichromacy



Original Color

50.3422, 0.2196, 0.2578

Protanomaly

49.3550, 0.2426, 0.2574

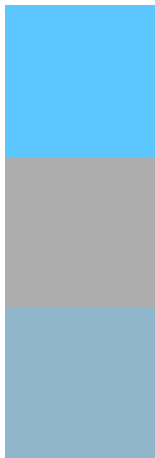
Deuteranomaly

49.4502, 0.2370, 0.2497

Tritanomaly

50.4017, 0.2257, 0.2872

Monochromacy



Original Color

50.3422, 0.2196, 0.2578

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.6970, 0.2679, 0.3001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3422, 0.2196, 0.2578 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(92, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(92, 199, 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(92, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 199, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.3422, 0.2196, 0.2578 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(92, 199, 255) }
```

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

```
.border{ border-color:rgb(92, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(92, 199, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(92, 199, 255); box-shadow:4px 4px 4px 4px rgb(92, 199, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3422, 0.2196, 0.2578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 199, 255) }
```

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

```
.background{ background-color: rgb(92, 199,  
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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