

Converting Colors

$Y_{xy}(49.8203, 0.2122, 0.2584)$

Have a look what the booklet for
Yxy(49.8203, 0.2122, 0.2584)
contains.

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Color

Yxy(49.6185, 0.2121, 0.2578)

Conversions

Conversions Part 1

Format	Color
Hex	40C8FF
RGB	64, 200, 255
RGB Percent	25%, 78%, 100%
CMY	0.7486, 0.2157, 0.0000
CMYK	0.75, 0.22, 0.00, 0.00
HSL	197°, 100%, 63%
HSV	197°, 75%, 100%
XYZ	40.8227, 49.6185, 102.0278
YIQ	165.6060, -98.7110, -11.7270

Conversions

Conversions Part 2

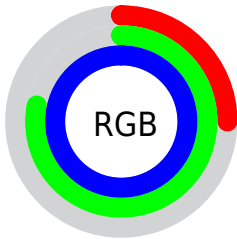
Format	Color
R _{YB}	64, 143, 255
Decimal	4245759
CIE _{Lab}	75.83, -18.59, -37.38
CIE _{LCh}	76, 41.745, 243.552
Yxy	49.6185, 0.2121, 0.2578
Android (android.graphics.Color)	4282435839 (0xFF40C8FF)
YUV	165.6060, 44.0712, -89.1085
Hunter-Lab	70.4404, -19.8237, -36.5690

Details

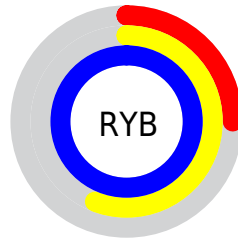
The Yxy color **49.6185, 0.2121, 0.2578** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **34.8514, 0.5265, 0.3762**, and the grayscale version is **37.7686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9742, 0.2505, 0.3288**, and **24.6350, 0.2003, 0.2410** is the 20% darker color. If you saturate the color by 10%, you get **45.6283, 0.2048, 0.2468**, and if you desaturate by 10%, it is **54.1662, 0.2215, 0.2688**.

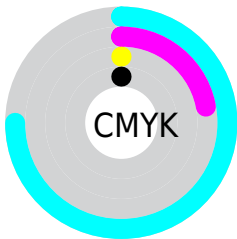
Distribution



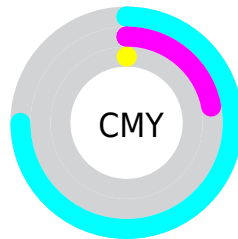
- Red (25%)
- Green (78%)
- Blue (100%)



- Red (25%)
- Yellow (56%)
- Blue (100%)



- Cyan (75%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (75%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6185, 0.2121, 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 49.6185, 0.2121, 0.2578 by changing the saturation by 10% instead.

 49.6185, 0.2121,
0.2578

 49.6185, 0.2121,
0.2578

385.1722, 0.2593,
0.2932

 35.1104, 0.2014,
0.2493


 89.6094, 0.2285,
0.2705


 23.7479, 0.1883,
0.2386


 115.8609, 0.2348,
0.2753

 15.1467, 0.1720,
0.2248


 146.7957, 0.2403,
0.2794

 8.9224, 0.1514,
0.2067

 182.7981, 0.2451,
0.2829

 4.6906, 0.1248,
0.1820

224.2526, 0.2493,
0.2860

 2.0669, 0.0905,
0.1474

271.5435, 0.2530,

 0.6459, 0.0244,

0.2887

0.0986

325.0552, 0.2563,
0.2911

0.0000, 0.0000,
0.0000

49.6185, 0.2121,
0.2578

49.6185, 0.2121,
0.2578

45.6283, 0.2048,
0.2468

54.1662, 0.2215,
0.2688

42.1303, 0.1995,
0.2359

59.3157, 0.2327,
0.2796

40.4800, 0.1973,
0.2303

65.1113, 0.2455,
0.2901

71.5909, 0.2595,
0.3000

78.7892, 0.2743,
0.3092

■ 86.7379, 0.2897,
0.3177

■ 95.4668, 0.3052,
0.3255

■ 99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



49.6185, 0.2147, 0.2977



49.6185, 0.2121, 0.2578



49.6185, 0.2328, 0.2402

Triad

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



49.6185, 0.2121, 0.2578



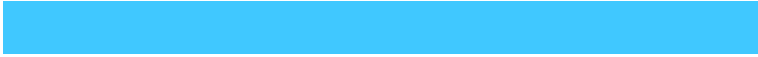
49.6185, 0.3866, 0.3012



49.6185, 0.3435, 0.4327

Complementary

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



49.6185, 0.2121, 0.2578



34.8514, 0.5265, 0.3762

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.



49.6185, 0.3936, 0.4224



49.6185, 0.2121, 0.2578



49.6185, 0.4216, 0.3445

Square

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



49.6185, 0.2121, 0.2578



49.6185, 0.3309, 0.2656



49.6185, 0.4234, 0.3882



49.6185, 0.2876, 0.4074

Rectangle

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



49.6185, 0.2121, 0.2578



49.6185, 0.2586, 0.2404



49.6185, 0.4234, 0.3882



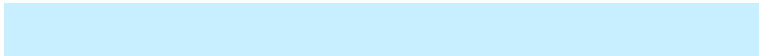
49.6185, 0.3616, 0.4329

Sweetspot

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



49.6202, 0.2121, 0.2578



80.9853, 0.2787, 0.3117



73.9231, 0.2851, 0.5120



16.8883, 0.2745, 0.3093



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.



49.6202, 0.2121, 0.2578



43.7738, 0.2018, 0.2411



18.5134, 0.1797, 0.1316



19.5451, 0.2980, 0.3220



21.4216, 0.1978, 0.2321



2.2733, 0.2013, 0.2445

Inverse Universe

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



29.1088, 0.3820, 0.2078



25.6455, 0.4005, 0.2023



69.5403, 0.4394, 0.4622



18.2059, 0.3182, 0.3122



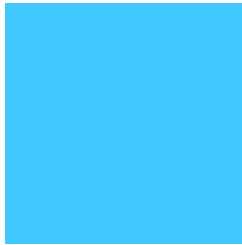
12.8905, 0.4104, 0.2035



1.2740, 0.3977, 0.1965

Previews

White Background



This preview shows how the Yxy color 49.6185, 0.2121, 0.2578 looks on a white background.

Color Contrast Check

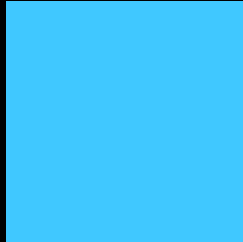
Large Text (above 18pt) WCAG AA × Fail

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 49.6185, 0.2121, 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

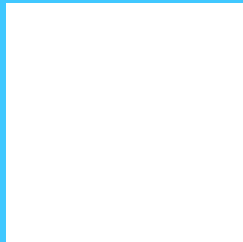
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6185, 0.2121, 0.2578

Background



This preview shows how black text looks on a background with the Yxy color 49.6185, 0.2121, 0.2578.



This preview shows how white text looks on a background with the Yxy color 49.6185, 0.2121, 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

49.6185, 0.2121, 0.2578

Protanopia

48.8238, 0.2619, 0.2581

Deuteranopia

49.1824, 0.2495, 0.2450



Tritanopia

49.7774, 0.2204, 0.3048

Trichromacy



Original Color

49.6185, 0.2121, 0.2578

Protanomaly

47.9359, 0.2369, 0.2561

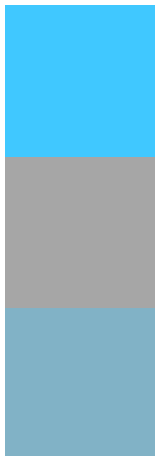
Deuteranomaly

48.4825, 0.2309, 0.2484

Tritanomaly

49.7194, 0.2168, 0.2865

Monochromacy



Original Color

49.6185, 0.2121, 0.2578

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

40.5851, 0.2602, 0.3003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6185, 0.2121, 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(64, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(64, 200, 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(64, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 200, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.6185, 0.2121, 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(64, 200, 255) }
```

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

```
.border{ border-color:rgb(64, 200, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(64, 200,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6185, 0.2121, 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(64, 200, 255) }
```

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

```
.background{ background-color: rgb(64, 200,  
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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