

Converting Colors

$Y_{xy}(50.7550, 0.2324, 0.2679)$

Have a look what the booklet for
Yxy(50.7550, 0.2324, 0.2679)
contains.

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Color

Yxy(50.7550, 0.2324, 0.2679)

Conversions

Conversions Part 1

Format	Color
Hex	74C6F6
RGB	116, 198, 246
RGB Percent	45%, 78%, 96%
CMY	0.5452, 0.2235, 0.0353
CMYK	0.53, 0.20, 0.00, 0.04
HSL	202°, 88%, 71%
HSV	202°, 53%, 96%
XYZ	44.0293, 50.7550, 94.6707
YIQ	178.9540, -64.2800, -2.4560

Conversions

Conversions Part 2

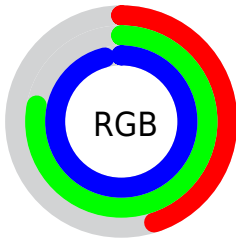
Format	Color
R _Y B	116, 166, 246
Decimal	7653110
CIE Lab	76.53, -11.96, -31.35
CIE LCh	77, 33.559, 249.117
Yxy	50.7550, 0.2324, 0.2679
Android (android.graphics.Color)	4285843190 (0xFF74C6F6)
YUV	178.9540, 33.0537, -55.2107
Hunter-Lab	71.2425, -14.3578, -28.9178

Details

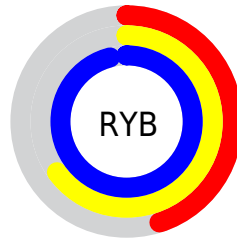
The Yxy color **50.7550, 0.2324, 0.2679** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.3992, 0.4368, 0.3803**, and the grayscale version is **44.8985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **24.3943, 0.2123, 0.2504** is the 20% darker color. If you saturate the color by 10%, you get **45.2604, 0.2197, 0.2538**, and if you desaturate by 10%, it is **56.9486, 0.2465, 0.2814**.

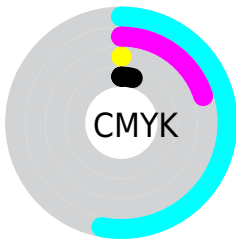
Distribution



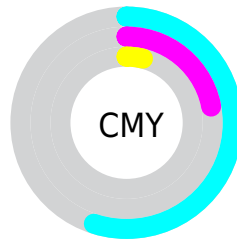
- Red (45%)
- Green (78%)
- Blue (96%)



- Red (45%)
- Yellow (65%)
- Blue (96%)



- Cyan (53%)
- Magenta (20%)
- Yellow (0%)
- Black (4%)





- Cyan (55%)
- Magenta (22%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7550, 0.2324, 0.2679 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 50.7550, 0.2324, 0.2679 by changing the saturation by 10% instead.


 50.7550, 0.2324,
0.2679

 50.7550, 0.2324,
0.2679


389.6112, 0.2705,
0.2980


 36.0137, 0.2236,
0.2606


 91.2925, 0.2457,
0.2787

 24.4447, 0.2127,
0.2515


 117.8575, 0.2509,
0.2828

 15.6639, 0.1988,
0.2397


 149.1325, 0.2553,
0.2863

 9.2866, 0.1809,
0.2240

185.5018, 0.2592,
0.2893

 4.9286, 0.1570,
0.2023

227.3500, 0.2626,
0.2919

 2.2054, 0.1243,
0.1708

275.0613, 0.2655,

 0.7230, 0.0678,

0.2942

0.1241

329.0203, 0.2682,
0.2962

0.0000, 0.0000,
0.0000

50.7550, 0.2324,
0.2679

50.7550, 0.2324,
0.2679

45.2604, 0.2197,
0.2538

56.9486, 0.2465,
0.2814

40.4187, 0.2087,
0.2395

63.8718, 0.2615,
0.2941

36.1858, 0.1997,
0.2251

71.5599, 0.2770,
0.3059

32.5065, 0.1929,
0.2109

80.0437, 0.2927,
0.3166

30.1604, 0.1892,
0.2010

89.3521, 0.3083,
0.3264

97.8476, 0.3181,
0.3352

99.4343, 0.3179,
0.3376

Harmonies

Analogous

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



50.7550, 0.2311, 0.2977



50.7550, 0.2324, 0.2679



50.7550, 0.2531, 0.2560

Triad

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



50.7550, 0.2324, 0.2679



50.7550, 0.3784, 0.3134



50.7550, 0.3301, 0.4090

Complementary

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



50.7550, 0.2324, 0.2679



47.3992, 0.4368, 0.3803

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.



50.7550, 0.3720, 0.4074



50.7550, 0.2324, 0.2679



50.7550, 0.4019, 0.3497

Square

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



50.7550, 0.2324, 0.2679



50.7550, 0.3364, 0.2821



50.7550, 0.3989, 0.3841



50.7550, 0.2854, 0.3838

Rectangle

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



50.7550, 0.2324, 0.2679



50.7550, 0.2764, 0.2578



50.7550, 0.3989, 0.3841



50.7550, 0.3450, 0.4114

Sweetspot

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



50.7569, 0.2324, 0.2679



83.8299, 0.2877, 0.3133



72.2962, 0.2828, 0.4366



17.5337, 0.2845, 0.3111



0.0000, 0.0000, 0.0000



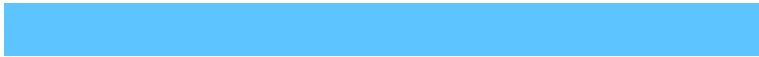
21.4041, 0.3127, 0.3290

Same Dimension

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



50.7569, 0.2324, 0.2679



48.9599, 0.2194, 0.2535



27.2278, 0.2148, 0.1812



17.6693, 0.2980, 0.3201



16.3745, 0.1898, 0.2033



1.6352, 0.1947, 0.2208

Inverse Universe

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



36.1579, 0.3675, 0.2441



33.2994, 0.3832, 0.2311



76.7117, 0.3982, 0.4422



16.6584, 0.3195, 0.3142



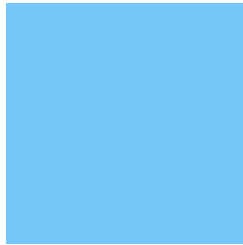
11.7524, 0.4416, 0.2206



1.0527, 0.4224, 0.2101

Previews

White Background



This preview shows how the Yxy color 50.7550, 0.2324, 0.2679 looks on a white background.

Color Contrast Check

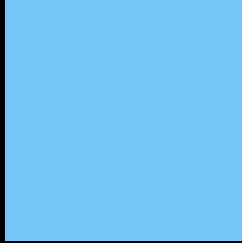
Large Text (above 18pt) WCAG AA × Fail

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 50.7550, 0.2324, 0.2679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

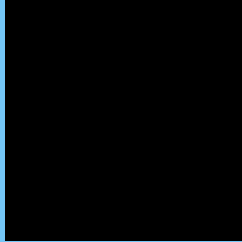
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

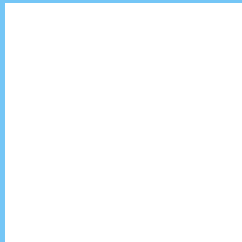
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.7550, 0.2324, 0.2679

Background



This preview shows how black text looks on a background with the Yxy color 50.7550, 0.2324, 0.2679.



This preview shows how white text looks on a background with the Yxy color 50.7550, 0.2324, 0.2679.

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

50.7550, 0.2324, 0.2679

Protanopia

50.3462, 0.2687, 0.2677

Deuteranopia

50.4217, 0.2601, 0.2537



Tritanopia

50.8905, 0.2419, 0.3071

Trichromacy



Original Color

50.7550, 0.2324, 0.2679

Protanomaly

49.9882, 0.2538, 0.2673

Deuteranomaly

50.2796, 0.2483, 0.2584

Tritanomaly

50.7454, 0.2384, 0.2917

Monochromacy



Original Color

50.7550, 0.2324, 0.2679

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.4975, 0.2770, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7550, 0.2324, 0.2679 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(116, 198, 246)` looks like.

```
.text, #text, p{  
    color:rgb(116, 198, 246)  
}
```

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(116, 198, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 198, 246) }
```

Border

The CSS property to change the border of an element to Yxy 50.7550, 0.2324, 0.2679 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(116, 198, 246) }
```

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

```
.border{ border-color:rgb(116, 198, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 198, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 198, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 198, 246);  
box-shadow:4px 4px 4px 4px rgb(116, 198,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7550, 0.2324, 0.2679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 198, 246) }
```

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

```
.background{ background-color: rgb(116,  
198, 246) }
```

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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