

Converting Colors

$Yxy(56.5649, 0.2311, 0.2687)$

Have a look what the booklet for
Yxy(56.5649, 0.2311, 0.2687)
contains.

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Color

Yxy(56.1833, 0.2321, 0.2712)

Conversions

Conversions Part 1

Format	Color
Hex	76D0FF
RGB	118, 208, 255
RGB Percent	46%, 82%, 100%
CMY	0.5369, 0.1843, 0.0001
CMYK	0.54, 0.18, 0.00, 0.00
HSL	201°, 100%, 73%
HSV	201°, 54%, 100%
XYZ	48.0831, 56.1833, 102.8991
YIQ	186.4480, -68.7270, -4.4630

Conversions

Conversions Part 2

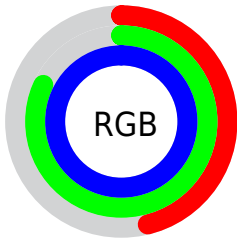
Format	Color
R _Y B	118, 172, 255
Decimal	7786751
CIE Lab	79.72, -14.18, -31.24
CIE LCh	80, 34.302, 245.590
Yxy	56.1833, 0.2321, 0.2712
Android (android.graphics.Color)	4285976831 (0xFF76D0FF)
YUV	186.4480, 33.7961, -60.0289
Hunter-Lab	74.9555, -16.6664, -28.9246

Details

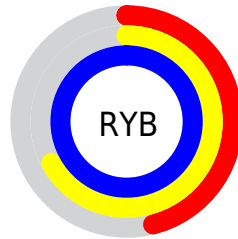
The Yxy color **56.1833, 0.2321, 0.2712** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.5056, 0.4421, 0.3775**, and the grayscale version is **49.2154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **27.9185, 0.2132, 0.2569** is the 20% darker color. If you saturate the color by 10%, you get **50.4828, 0.2199, 0.2582**, and if you desaturate by 10%, it is **62.6060, 0.2458, 0.2837**.

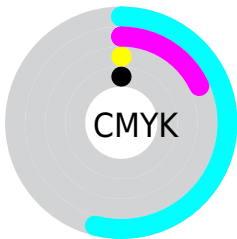
Distribution



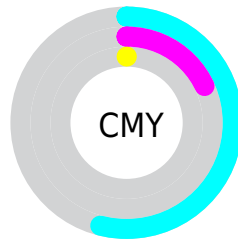
- Red (46%)
- Green (82%)
- Blue (100%)



- Red (46%)
- Yellow (67%)
- Blue (100%)



- Cyan (54%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)





- Cyan (54%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.1833, 0.2321, 0.2712 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 56.1833, 0.2321, 0.2712 by changing the saturation by 10% instead.


 56.1833, 0.2321,
0.2712

 56.1833, 0.2321,
0.2712


410.3819, 0.2697,
0.2994


 40.3499, 0.2236,
0.2645


 99.2725, 0.2451,
0.2812

 27.8115, 0.2131,
0.2561


 127.2972, 0.2502,
0.2850

 18.1836, 0.1999,
0.2454


 160.1543, 0.2546,
0.2883

 11.0819, 0.1831,
0.2312

198.2284, 0.2584,
0.2911

 6.1219, 0.1608,
0.2117

241.9038, 0.2617,
0.2936

 2.9194, 0.1308,
0.1838

291.5649, 0.2647,

 1.0898, 0.0885,

0.2957

0.1426

347.5962, 0.2673,
0.2977

0.0000, 0.0000,
0.0000

56.1833, 0.2321,
0.2712

56.1833, 0.2321,
0.2712

50.4828, 0.2199,
0.2582

62.6060, 0.2458,
0.2837

45.4546, 0.2095,
0.2448

69.7836, 0.2604,
0.2956

41.0507, 0.2011,
0.2315

77.7541, 0.2758,
0.3066

37.2110, 0.1948,
0.2183

86.5502, 0.2914,
0.3167

35.0239, 0.1917,
0.2102

96.2030, 0.3070,
0.3259

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



56.1833, 0.2332, 0.3027



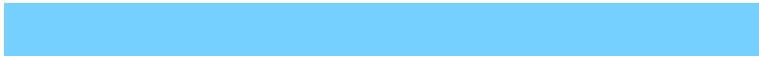
56.1833, 0.2321, 0.2712



56.1833, 0.2505, 0.2572

Triad

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



56.1833, 0.2321, 0.2712



56.1833, 0.3735, 0.3095



56.1833, 0.3352, 0.4092

Complementary

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



56.1833, 0.2321, 0.2712



49.5056, 0.4421, 0.3775

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.



56.1833, 0.3754, 0.4047



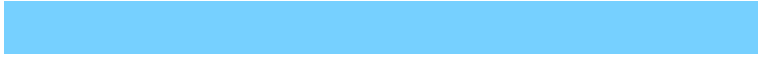
56.1833, 0.2321, 0.2712



56.1833, 0.3994, 0.3453

Square

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



56.1833, 0.2321, 0.2712



56.1833, 0.3307, 0.2795



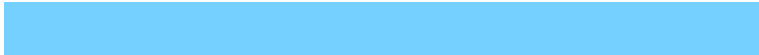
56.1833, 0.3996, 0.3799



56.1833, 0.2907, 0.3873

Rectangle

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



56.1833, 0.2321, 0.2712



56.1833, 0.2723, 0.2577



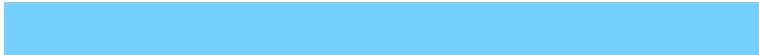
56.1833, 0.3996, 0.3799



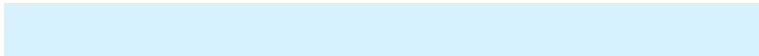
56.1833, 0.3497, 0.4105

Sweetspot

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



56.1854, 0.2321, 0.2712



84.4541, 0.2878, 0.3144



78.0351, 0.2846, 0.4450



17.6829, 0.2846, 0.3124



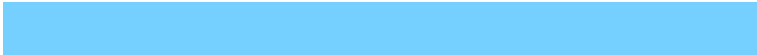
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



56.1854, 0.2321, 0.2712



50.3233, 0.2195, 0.2577



30.0998, 0.2141, 0.1839



19.3699, 0.2980, 0.3206



18.5931, 0.1923, 0.2123



2.0139, 0.1964, 0.2272

Inverse Universe

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



38.7890, 0.3650, 0.2395



33.0023, 0.3796, 0.2263



80.3724, 0.4020, 0.4402



18.1882, 0.3191, 0.3135



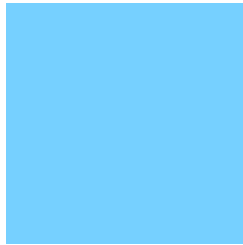
12.6049, 0.4316, 0.2151



1.2478, 0.4156, 0.2063

Previews

White Background



This preview shows how the Yxy color 56.1833, 0.2321, 0.2712 looks on a white background.

Color Contrast Check

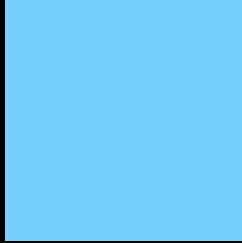
Large Text (above 18pt) WCAG AA × Fail

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 56.1833, 0.2321, 0.2712 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

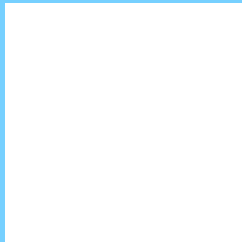
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.1833, 0.2321, 0.2712

Background



This preview shows how black text looks on a background with the Yxy color 56.1833, 0.2321, 0.2712.



This preview shows how white text looks on a background with the Yxy color 56.1833, 0.2321, 0.2712.

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

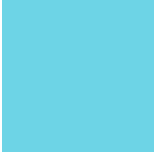
56.1833, 0.2321, 0.2712

Protanopia

55.3665, 0.2709, 0.2700

Deuteranopia

55.8709, 0.2643, 0.2597



Tritanopia

56.0513, 0.2405, 0.3054

Trichromacy



Original Color

56.1833, 0.2321, 0.2712

Protanomaly

55.1600, 0.2541, 0.2695

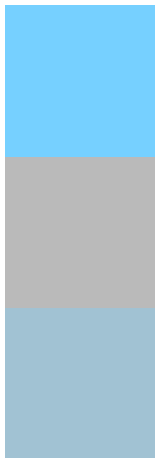
Deuteranomaly

55.4378, 0.2504, 0.2631

Tritanomaly

56.2653, 0.2373, 0.2931

Monochromacy



Original Color

56.1833, 0.2321, 0.2712

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

50.8638, 0.2762, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.1833, 0.2321, 0.2712 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(118, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(118, 208, 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(118, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 208, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.1833, 0.2321, 0.2712 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(118, 208, 255) }
```

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

```
.border{ border-color:rgb(118, 208, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 208, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 208, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 208, 255);  
box-shadow:4px 4px 4px 4px rgb(118, 208,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.1833, 0.2321, 0.2712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 208, 255) }
```

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

```
.background{ background-color: rgb(118,  
208, 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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