

Converting Colors

$Yxy(56.3433, 0.2180, 0.2763)$

Have a look what the booklet for
Yxy(56.3433, 0.2180, 0.2763)
contains.

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Color

Yxy(56.5783, 0.2181, 0.2769)

Conversions

Conversions Part 1

Format	Color
Hex	45D6FF
RGB	69, 214, 255
RGB Percent	27%, 84%, 100%
CMY	0.7285, 0.1608, 0.0000
CMYK	0.73, 0.16, 0.00, 0.00
HSL	193°, 100%, 64%
HSV	193°, 73%, 100%
XYZ	44.5638, 56.5783, 103.1854
YIQ	175.3190, -99.5810, -17.9890

Conversions

Conversions Part 2

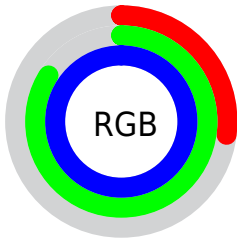
Format	Color
R _{YB}	69, 150, 255
Decimal	4577023
CIE _{Lab}	79.94, -25.11, -31.03
CIE _{LCh}	80, 39.917, 231.024
Yxy	56.5783, 0.2181, 0.2769
Android (android.graphics.Color)	4282767103 (0xFF45D6FF)
YUV	175.3190, 39.2827, -93.2418
Hunter-Lab	75.2185, -25.8787, -28.6815

Details

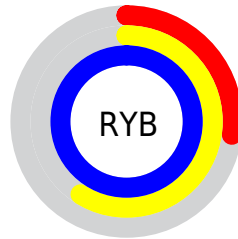
The Yxy color **56.5783, 0.2181, 0.2769** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **32.9005, 0.5306, 0.3643**, and the grayscale version is **42.9096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3154, 0.2520, 0.3288**, and **28.8735, 0.2067, 0.2642** is the 20% darker color. If you saturate the color by 10%, you get **53.0348, 0.2113, 0.2687**, and if you desaturate by 10%, it is **60.6241, 0.2269, 0.2851**.

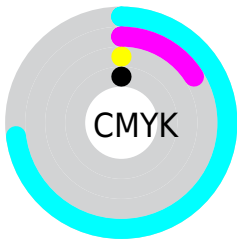
Distribution



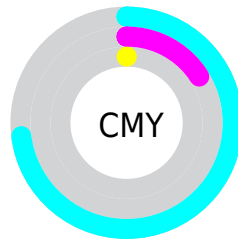
- Red (27%)
- Green (84%)
- Blue (100%)



- Red (27%)
- Yellow (59%)
- Blue (100%)



- Cyan (73%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)




- Cyan (73%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.5783, 0.2181, 0.2769 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 56.5783, 0.2181, 0.2769 by changing the saturation by 10% instead.


 56.5783, 0.2181,
0.2769

 56.5783, 0.2181,
0.2769

411.8673, 0.2618,
0.3030


 40.6668, 0.2083,
0.2705


 99.8496, 0.2331,
0.2863


 28.0588, 0.1964,
0.2625


 127.9782, 0.2390,
0.2898

 18.3700, 0.1816,
0.2521


 160.9479, 0.2441,
0.2929

 11.2159, 0.1628,
0.2382

 199.1431, 0.2485,
0.2955

 6.2123, 0.1385,
0.2189

242.9483, 0.2524,
0.2977

 2.9746, 0.1067,
0.1909

292.7478, 0.2559,

 1.1185, 0.0580,

0.2997

0.1497

348.9260, 0.2590,
0.3014

0.0000, 0.0000,
0.0000

56.5783, 0.2181,
0.2769

56.5783, 0.2181,
0.2769

53.0348, 0.2113,
0.2687

60.6241, 0.2269,
0.2851

49.9328, 0.2066,
0.2605

65.2141, 0.2375,
0.2932

47.9272, 0.2041,
0.2547

70.3902, 0.2497,
0.3009

76.1885, 0.2632,
0.3083

82.6417, 0.2777,
0.3152

■ 89.7801, 0.2928,
0.3216

■ 97.6317, 0.3083,
0.3274

■ 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.



56.5783, 0.2300, 0.3213



56.5783, 0.2181, 0.2769



56.5783, 0.2284, 0.2515

Triad

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



56.5783, 0.2181, 0.2769



56.5783, 0.3604, 0.2886



56.5783, 0.3621, 0.4235

Complementary

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



56.5783, 0.2181, 0.2769



32.9005, 0.5306, 0.3643

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.



56.5783, 0.4016, 0.4040



56.5783, 0.2181, 0.2769



56.5783, 0.4022, 0.3267

Square

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



56.5783, 0.2181, 0.2769



56.5783, 0.3072, 0.2601



56.5783, 0.4173, 0.3679



56.5783, 0.3112, 0.4138

Rectangle

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



56.5783, 0.2181, 0.2769



56.5783, 0.2470, 0.2460



56.5783, 0.4173, 0.3679



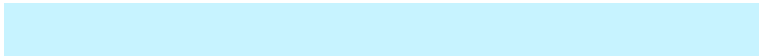
56.5783, 0.3772, 0.4197

Sweetspot

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



56.5798, 0.2181, 0.2769



83.2183, 0.2790, 0.3158



73.9089, 0.2896, 0.5218



17.4200, 0.2749, 0.3140



0.0000, 0.0000, 0.0000



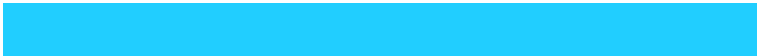
21.4041, 0.3127, 0.3290

Same Dimension

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



56.5798, 0.2181, 0.2769



51.6960, 0.2091, 0.2653



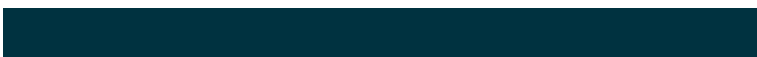
22.3825, 0.1864, 0.1519



19.7608, 0.2980, 0.3236



25.2745, 0.2045, 0.2561



2.6208, 0.2070, 0.2653

Inverse Universe

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



30.4006, 0.3641, 0.1994



26.8131, 0.3766, 0.1908



64.1072, 0.4463, 0.4504



18.2277, 0.3172, 0.3107



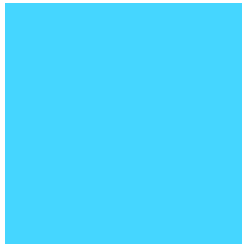
13.2794, 0.3862, 0.1901



1.3091, 0.3773, 0.1852

Previews

White Background



This preview shows how the Yxy color 56.5783, 0.2181, 0.2769 looks on a white background.

Color Contrast Check

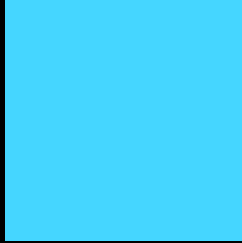
Large Text (above 18pt) WCAG AA × Fail

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 56.5783, 0.2181, 0.2769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

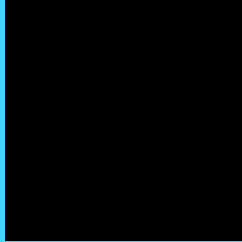
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.5783, 0.2181, 0.2769

Background



This preview shows how black text looks on a background with the Yxy color 56.5783, 0.2181, 0.2769.



This preview shows how white text looks on a background with the Yxy color 56.5783, 0.2181, 0.2769.

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

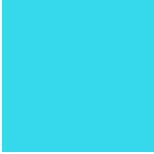
56.5783, 0.2181, 0.2769

Protanopia

55.8202, 0.2747, 0.2756

Deuteranopia

55.8709, 0.2643, 0.2597



Tritanopia

56.4081, 0.2233, 0.3048

Trichromacy



Original Color

56.5783, 0.2181, 0.2769



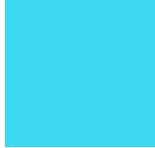
Protanomaly

54.8242, 0.2472, 0.2751



Deuteranomaly

54.7441, 0.2416, 0.2640



Tritanomaly

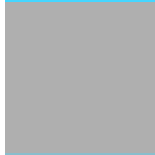
56.4832, 0.2215, 0.2948

Monochromacy



Original Color

56.5783, 0.2181, 0.2769



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

46.0732, 0.2638, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5783, 0.2181, 0.2769 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(69, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(69, 214, 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(69, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 214, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.5783, 0.2181, 0.2769 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(69, 214, 255) }
```

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

```
.border{ border-color:rgb(69, 214, 255) }
```

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

Here you see how a box with a 4 pixel rgb(69, 214, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(69, 214,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5783, 0.2181, 0.2769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 214, 255) }
```

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

```
.background{ background-color: rgb(69, 214,  
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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