

Converting Colors

$Y_{xy}(57.4796, 0.2203, 0.2831)$

Have a look what the booklet for
Yxy(57.4796, 0.2203, 0.2831)
contains.

Yxy(57.4796, 0.2203, 0.2831)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(57.4796, 0.2203, 0.2831)

Conversions

Conversions Part 1

Format	Color
Hex	47D8FC
RGB	71, 216, 252
RGB Percent	28%, 85%, 99%
CMY	0.7212, 0.1530, 0.0118
CMYK	0.72, 0.14, 0.00, 0.01
HSL	192°, 97%, 63%
HSV	192°, 72%, 99%
XYZ	44.7289, 57.4796, 100.8279
YIQ	176.7490, -97.9760, -19.5440

Conversions

Conversions Part 2

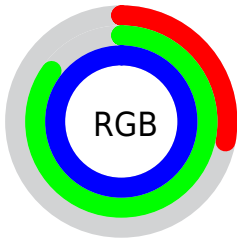
Format	Color
RYB	71, 152, 252
Decimal	4708604
CIELab	80.45, -26.81, -28.65
CIELCh	80, 39.240, 226.898
Yxy	57.4796, 0.2203, 0.2831
Android (android.graphics.Color)	4282898684 (0xFF47D8FC)
YUV	176.7490, 37.0987, -92.7419
Hunter-Lab	75.8153, -27.3668, -25.7799

Details

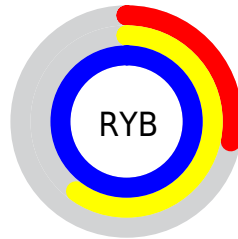
The Yxy color **57.4796, 0.2203, 0.2831** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **31.6858, 0.5297, 0.3606**, and the grayscale version is **43.6828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4027, 0.2524, 0.3288**, and **29.4299, 0.2089, 0.2721** is the 20% darker color. If you saturate the color by 10%, you get **54.1865, 0.2136, 0.2757**, and if you desaturate by 10%, it is **61.2501, 0.2289, 0.2904**.

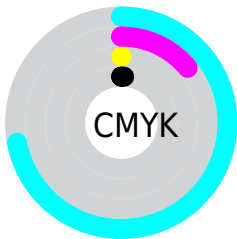
Distribution



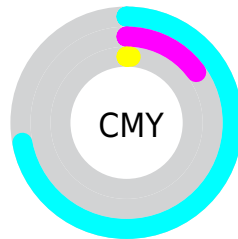
- Red (28%)
- Green (85%)
- Blue (99%)



- Red (28%)
- Yellow (60%)
- Blue (99%)



- Cyan (72%)
- Magenta (14%)
- Yellow (0%)
- Black (1%)



- Cyan (72%)
- Magenta (15%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.4796, 0.2203, 0.2831 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 57.4796, 0.2203, 0.2831 by changing the saturation by 10% instead.

57.4796, 0.2203,
0.2831

57.4796, 0.2203,
0.2831

415.2440, 0.2629,
0.3063

41.3904, 0.2107,
0.2774

101.1646, 0.2350,
0.2915

28.6243, 0.1991,
0.2702

129.5293, 0.2407,
0.2946

18.7968, 0.1846,
0.2608

162.7546, 0.2457,
0.2973

11.5235, 0.1661,
0.2481

201.2249, 0.2500,
0.2996

6.4201, 0.1422,
0.2303

245.3246, 0.2538,
0.3016

3.1022, 0.1106,
0.2040

295.4380, 0.2572,

1.1853, 0.0618,

0.3034

0.1646

351.9497, 0.2602,
0.3049

0.0497, 0.0000,
0.0193

0.0000, 0.0000,
0.0000

57.4796, 0.2203,
0.2831

57.4796, 0.2203,
0.2831

54.1865, 0.2136,
0.2757

61.2501, 0.2289,
0.2904

51.3115, 0.2089,
0.2685

65.5360, 0.2394,
0.2976

49.1986, 0.2063,
0.2625

70.3778, 0.2515,
0.3045

75.8098, 0.2650,
0.3111

■ 81.8633, 0.2794,
0.3172

■ 88.5672, 0.2945,
0.3229

■ 95.9485, 0.3099,
0.3281

■ 99.8080, 0.3144,
0.3319

Harmonies

Analogous

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



57.4796, 0.2350, 0.3285



57.4796, 0.2203, 0.2831



57.4796, 0.2275, 0.2554

Triad

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



57.4796, 0.2203, 0.2831



57.4796, 0.3525, 0.2849



57.4796, 0.3674, 0.4202

Complementary

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



57.4796, 0.2203, 0.2831



31.6858, 0.5297, 0.3606

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.



57.4796, 0.4035, 0.3984



57.4796, 0.2203, 0.2831



57.4796, 0.3959, 0.3214

Square

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



57.4796, 0.2203, 0.2831



57.4796, 0.3003, 0.2587



57.4796, 0.4148, 0.3618



57.4796, 0.3184, 0.4150

Rectangle

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



57.4796, 0.2203, 0.2831



57.4796, 0.2439, 0.2481



57.4796, 0.4148, 0.3618



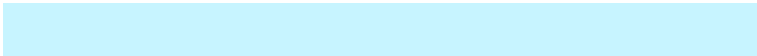
57.4796, 0.3815, 0.4154

Sweetspot

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



57.4817, 0.2203, 0.2831



83.9514, 0.2791, 0.3171



71.9660, 0.2918, 0.5259



17.5949, 0.2751, 0.3155



0.0000, 0.0000, 0.0000



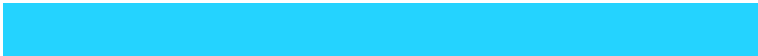
21.4041, 0.3127, 0.3290

Same Dimension

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



57.4817, 0.2203, 0.2831



54.3575, 0.2114, 0.2726



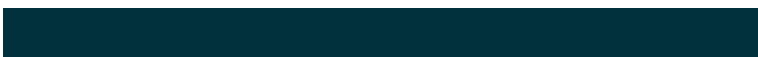
23.9091, 0.1900, 0.1626



18.9872, 0.2980, 0.3242



25.8425, 0.2066, 0.2638



2.5375, 0.2090, 0.2724

Inverse Universe

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



30.1711, 0.3585, 0.1974



27.2249, 0.3696, 0.1875



60.0515, 0.4494, 0.4443



17.4619, 0.3169, 0.3102



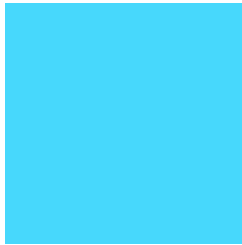
13.0197, 0.3788, 0.1860



1.2204, 0.3705, 0.1815

Previews

White Background



This preview shows how the Yxy color 57.4796, 0.2203, 0.2831 looks on a white background.

Color Contrast Check

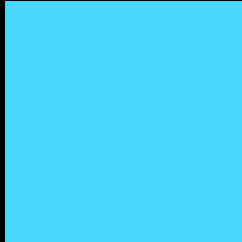
Large Text (above 18pt) WCAG AA × Fail

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 57.4796, 0.2203, 0.2831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

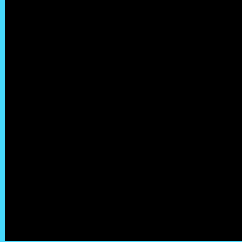
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.4796, 0.2203, 0.2831

Background



This preview shows how black text looks on a background with the Yxy color 57.4796, 0.2203, 0.2831.



This preview shows how white text looks on a background with the Yxy color 57.4796, 0.2203, 0.2831.

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

57.4796, 0.2203, 0.2831

Protanopia

56.4717, 0.2788, 0.2803

Deuteranopia

56.6893, 0.2664, 0.2612



Tritanopia

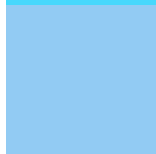
57.6798, 0.2249, 0.3064

Trichromacy



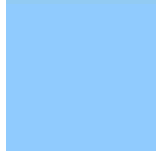
Original Color

57.4796, 0.2203, 0.2831



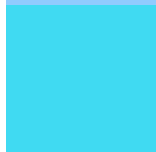
Protanomaly

55.2939, 0.2500, 0.2799



Deuteranomaly

55.7969, 0.2435, 0.2677



Tritanomaly

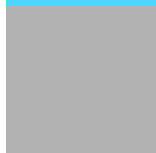
57.6436, 0.2231, 0.2976

Monochromacy



Original Color

57.4796, 0.2203, 0.2831



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

47.0245, 0.2647, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.4796, 0.2203, 0.2831 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(71, 216, 252)` looks like.

```
.text, #text, p{  
    color:rgb(71, 216, 252)  
}
```

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(71, 216, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 216, 252) }
```

Border

The CSS property to change the border of an element to Yxy 57.4796, 0.2203, 0.2831 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(71, 216, 252) }
```

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

```
.border{ border-color:rgb(71, 216, 252) }
```

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

Here you see how a box with a 4 pixel rgb(71, 216, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 216, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 216, 252);  
box-shadow:4px 4px 4px 4px rgb(71, 216,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 57.4796, 0.2203, 0.2831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 216, 252) }
```

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

```
.background{ background-color: rgb(71, 216,  
252) }
```

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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