

Converting Colors

$Yxy(50.5327, 0.2111, 0.2798)$

Have a look what the booklet for
Yxy(50.5327, 0.2111, 0.2798)
contains.

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Color

Yxy(50.5599, 0.2112, 0.2802)

Conversions

Conversions Part 1

Format	Color
Hex	01CEF2
RGB	1, 206, 242
RGB Percent	0%, 81%, 95%
CMY	0.9976, 0.1921, 0.0509
CMYK	1.00, 0.15, 0.00, 0.05
HSL	189°, 99%, 48%
HSV	189°, 100%, 95%
XYZ	38.1094, 50.5599, 91.7729
YIQ	148.8090, -133.7360, -32.2640

Conversions

Conversions Part 2

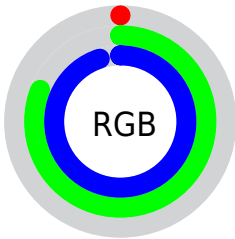
Format	Color
R _Y B	1, 112, 242
Decimal	118514
CIE Lab	76.41, -29.63, -29.59
CIE LCh	76, 41.876, 224.962
Yxy	50.5599, 0.2112, 0.2802
Android (android.graphics.Color)	4278308594 (0xFF01CEF2)
YUV	148.8090, 45.9432, -129.6285
Hunter-Lab	71.1055, -28.7665, -26.7493

Details

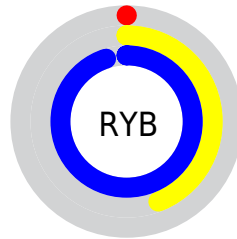
The Yxy color **50.5599, 0.2112, 0.2802** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **20.1832, 0.6275, 0.3397**, and the grayscale version is **29.7678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **25.6784, 0.2077, 0.2676** is the 20% darker color. If you saturate the color by 10%, you get **50.5136, 0.2111, 0.2801**, and if you desaturate by 10%, it is **52.5209, 0.2140, 0.2855**.

Distribution



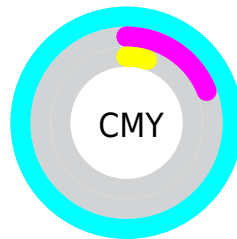
- Red (0%)
- Green (81%)
- Blue (95%)



- Red (0%)
- Yellow (44%)
- Blue (95%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (5%)





- Cyan (100%)
- Magenta (19%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5599, 0.2112, 0.2802 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 50.5599, 0.2112, 0.2802 by changing the saturation by 10% instead.


 50.5599, 0.2112,
0.2802


 50.5599, 0.2112,
0.2802


388.8515, 0.2588,
0.3055


 35.8585, 0.2004,
0.2738

 91.0039, 0.2277,
0.2895

 24.3249, 0.1871,
0.2656


 117.5153, 0.2341,
0.2930


 15.5748, 0.1706,
0.2547


 148.7321, 0.2397,
0.2959

 9.2238, 0.1495,
0.2398

 185.0387, 0.2445,
0.2984

 4.8874, 0.1222,
0.2185

 226.8196, 0.2487,
0.3006

 2.1814, 0.0867,
0.1865

274.4591, 0.2525,

 0.7098, 0.0000,

0.3024

0.1410

328.3416, 0.2558,
0.3041

■ 0.0000, 0.0000,
0.0000

■ 50.5599, 0.2112,
0.2802

■ 50.5599, 0.2112,
0.2802

■ 50.5136, 0.2111,
0.2801

■ 52.5209, 0.2140,
0.2855

■ 54.7689, 0.2185,
0.2908

■ 57.3801, 0.2249,
0.2962

■ 60.3999, 0.2332,
0.3015

■ 63.8666, 0.2434,
0.3067

■ 67.8140, 0.2552,
0.3118

■ 72.2721, 0.2684,
0.3166

■ 77.2684, 0.2827,
0.3211

■ 82.8284, 0.2977,
0.3253

Harmonies

Analogous

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



50.5599, 0.2286, 0.3317



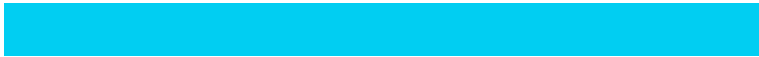
50.5599, 0.2112, 0.2802



50.5599, 0.2176, 0.2487

Triad

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



50.5599, 0.2112, 0.2802



50.5599, 0.3531, 0.2780



50.5599, 0.3760, 0.4297

Complementary

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



50.5599, 0.2112, 0.2802



20.1832, 0.6275, 0.3397

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.



50.5599, 0.4150, 0.4028



50.5599, 0.2112, 0.2802



50.5599, 0.4030, 0.3172

Square

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



50.5599, 0.2112, 0.2802



50.5599, 0.2950, 0.2503



50.5599, 0.4261, 0.3615



50.5599, 0.3220, 0.4271

Rectangle

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



50.5599, 0.2112, 0.2802



50.5599, 0.2345, 0.2401



50.5599, 0.4261, 0.3615



50.5599, 0.3914, 0.4232

Sweetspot

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



50.5617, 0.2112, 0.2802



81.1969, 0.2679, 0.3164



63.6313, 0.2975, 0.5909



16.9116, 0.2622, 0.3144



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.



50.5617, 0.2112, 0.2802



56.8221, 0.2111, 0.2799



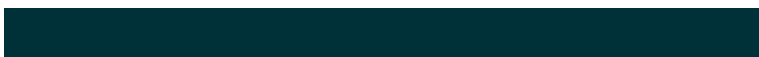
13.5828, 0.1651, 0.1143



17.5036, 0.2981, 0.3254



27.2904, 0.2114, 0.2809



2.3784, 0.2133, 0.2879

Inverse Universe

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



23.3514, 0.3633, 0.1776



26.2674, 0.3635, 0.1776



41.8317, 0.5037, 0.4381



15.9885, 0.3161, 0.3091



12.5483, 0.3626, 0.1771



1.0548, 0.3562, 0.1736

Previews

White Background



This preview shows how the Yxy color 50.5599, 0.2112, 0.2802 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 50.5599, 0.2112, 0.2802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

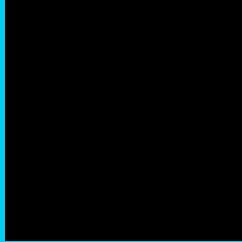
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.5599, 0.2112, 0.2802

Background



This preview shows how black text looks on a background with the Yxy color 50.5599, 0.2112, 0.2802.



This preview shows how white text looks on a background with the Yxy color 50.5599, 0.2112, 0.2802.

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

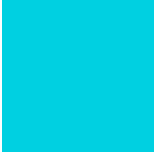
50.5599, 0.2112, 0.2802

Protanopia

49.7090, 0.2770, 0.2778

Deuteranopia

49.7670, 0.2604, 0.2544



Tritanopia

50.5480, 0.2180, 0.3049

Trichromacy



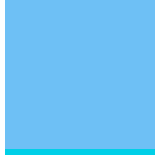
Original Color

50.5599, 0.2112, 0.2802



Protanomaly

47.4768, 0.2361, 0.2772



Deuteranomaly

47.6068, 0.2285, 0.2605



Tritanomaly

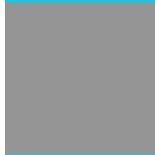
50.3952, 0.2154, 0.2955

Monochromacy



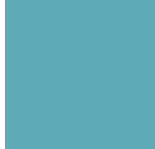
Original Color

50.5599, 0.2112, 0.2802



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

34.6012, 0.2462, 0.3082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5599, 0.2112, 0.2802 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(1, 206, 242)` looks like.

```
.text, #text, p{  
    color:rgb(1, 206, 242)  
}
```

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(1, 206, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 206, 242) }
```

Border

The CSS property to change the border of an element to Yxy 50.5599, 0.2112, 0.2802 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(1, 206, 242) }
```

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

```
.border{ border-color:rgb(1, 206, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 206, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 206, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 206, 242);  
box-shadow:4px 4px 4px 4px rgb(1, 206,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5599, 0.2112, 0.2802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 206, 242) }
```

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

```
.background{ background-color: rgb(1, 206,  
242) }
```

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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