

Converting Colors

$Y_{xy}(55.7595, 0.2226, 0.2892)$

Have a look what the booklet for
Yxy(55.7595, 0.2226, 0.2892)
contains.

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Color

Yxy(56.0025, 0.2228, 0.2899)

Conversions

Conversions Part 1

Format	Color
Hex	48D6F4
RGB	72, 214, 244
RGB Percent	28%, 84%, 96%
CMY	0.7182, 0.1607, 0.0431
CMYK	0.71, 0.12, 0.00, 0.04
HSL	190°, 89%, 62%
HSV	190°, 71%, 96%
XYZ	43.0402, 56.0025, 94.1360
YIQ	174.9620, -94.2620, -20.7740

Conversions

Conversions Part 2

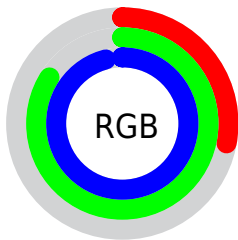
Format	Color
R _Y B	72, 150, 244
Decimal	4773620
CIE Lab	79.62, -28.18, -25.68
CIE LCh	80, 38.121, 222.339
Yxy	56.0025, 0.2228, 0.2899
Android (android.graphics.Color)	4282963700 (0xFF48D6F4)
YUV	174.9620, 34.0357, -90.2977
Hunter-Lab	74.8348, -28.2991, -22.1975

Details

The Yxy color **56.0025, 0.2228, 0.2899** 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 **29.1728, 0.5280, 0.3564**, and the grayscale version is **42.6864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4027, 0.2524, 0.3288**, and **28.4271, 0.2109, 0.2792** is the 20% darker color. If you saturate the color by 10%, you get **53.1235, 0.2162, 0.2836**, and if you desaturate by 10%, it is **59.3133, 0.2313, 0.2962**.

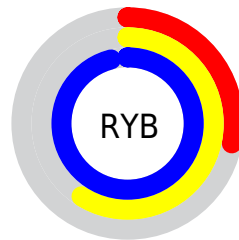
Distribution



Red (28%)

Green (84%)

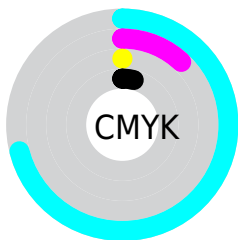
Blue (96%)



Red (28%)

Yellow (59%)

Blue (96%)

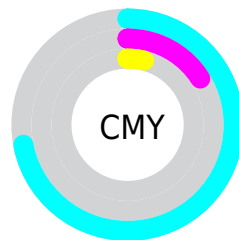


Cyan (71%)

Magenta (12%)

Yellow (0%)

Black (4%)



Cyan (72%)


Magenta (16%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.0025, 0.2228, 0.2899 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 56.0025, 0.2228, 0.2899 by changing the saturation by 10% instead.


 56.0025, 0.2228,
0.2899


 56.0025, 0.2228,
0.2899


409.7009, 0.2646,
0.3100

 40.2049, 0.2133,
0.2849


 99.0082, 0.2373,
0.2972


 27.6984, 0.2018,
0.2784


 126.9852, 0.2429,
0.3000

 18.0984, 0.1873,
0.2699


 159.7907, 0.2478,
0.3023

 11.0207, 0.1687,
0.2583

 197.8092, 0.2520,
0.3043

 6.0807, 0.1444,
0.2416

241.4251, 0.2557,
0.3060

 2.8942, 0.1119,
0.2163

291.0228, 0.2590,

 1.0768, 0.0536,

0.3075

0.1784

346.9866, 0.2619,
0.3088

■ 0.0000, 0.0000,
0.0000

■ 56.0025, 0.2228,
0.2899

■ 56.0025, 0.2228,
0.2899

■ 53.1235, 0.2162,
0.2836

■ 59.3133, 0.2313,
0.2962

■ 50.6228, 0.2116,
0.2772


■ 63.0896, 0.2417,
0.3024


■ 48.5373, 0.2087,
0.2714


■ 67.3682, 0.2537,
0.3084


■ 72.1803, 0.2670,
0.3140

■ 77.5542, 0.2814,
0.3194

 83.5163, 0.2964,
0.3243

 90.0910, 0.3119,
0.3288

 94.9426, 0.3196,
0.3329

 97.5870, 0.3193,
0.3370

Harmonies

Analogous

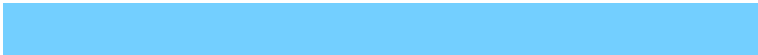
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.0025, 0.2406, 0.3363



56.0025, 0.2228, 0.2899



56.0025, 0.2266, 0.2596

Triad

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



56.0025, 0.2228, 0.2899



56.0025, 0.3441, 0.2810



56.0025, 0.3730, 0.4166

Complementary

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



56.0025, 0.2228, 0.2899



29.1728, 0.5280, 0.3564

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.



56.0025, 0.4052, 0.3923



56.0025, 0.2228, 0.2899



56.0025, 0.3890, 0.3157

Square

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



56.0025, 0.2228, 0.2899



56.0025, 0.2931, 0.2572



56.0025, 0.4119, 0.3553



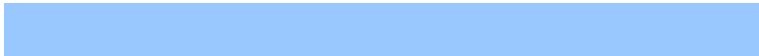
56.0025, 0.3260, 0.4159

Rectangle

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



56.0025, 0.2228, 0.2899



56.0025, 0.2408, 0.2505



56.0025, 0.4119, 0.3553



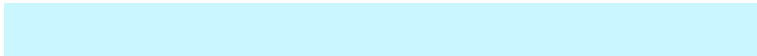
56.0025, 0.3860, 0.4107

Sweetspot

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



56.0045, 0.2228, 0.2899



85.4109, 0.2806, 0.3191



67.0099, 0.2928, 0.5255



17.9178, 0.2766, 0.3177



0.0000, 0.0000, 0.0000



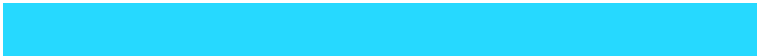
21.4041, 0.3127, 0.3290

Same Dimension

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



56.0045, 0.2228, 0.2899



57.3842, 0.2139, 0.2806



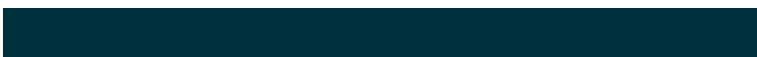
23.6667, 0.1929, 0.1699



18.2377, 0.2980, 0.3248



26.5695, 0.2090, 0.2724



2.4615, 0.2112, 0.2802

Inverse Universe

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



28.7058, 0.3523, 0.1954



27.6843, 0.3622, 0.1840



55.0815, 0.4492, 0.4406



16.7158, 0.3165, 0.3097



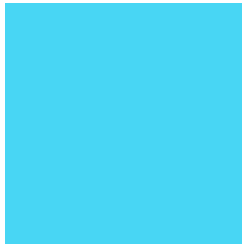
12.7816, 0.3706, 0.1815



1.1361, 0.3633, 0.1775

Previews

White Background



This preview shows how the Yxy color 56.0025, 0.2228, 0.2899 looks on a white background.

Color Contrast Check

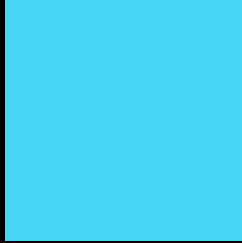
Large Text (above 18pt) WCAG AA × Fail

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 56.0025, 0.2228, 0.2899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

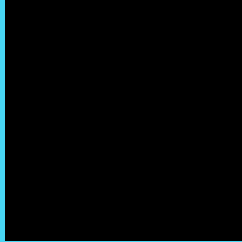
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.0025, 0.2228, 0.2899

Background



This preview shows how black text looks on a background with the Yxy color 56.0025, 0.2228, 0.2899.

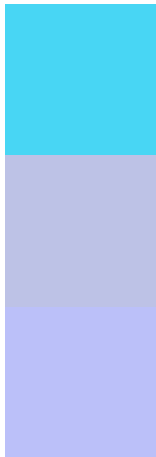


This preview shows how white text looks on a background with the Yxy color 56.0025, 0.2228, 0.2899.

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

56.0025, 0.2228, 0.2899

Protanopia

55.1156, 0.2837, 0.2866

Deuteranopia

55.1036, 0.2703, 0.2639



Tritanopia

56.1187, 0.2261, 0.3062

Trichromacy



Original Color

56.0025, 0.2228, 0.2899



Protanomaly

53.8824, 0.2538, 0.2865



Deuteranomaly

54.0437, 0.2468, 0.2716



Tritanomaly

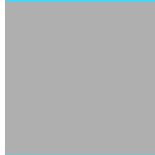
55.9086, 0.2247, 0.2998

Monochromacy



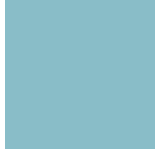
Original Color

56.0025, 0.2228, 0.2899



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

45.8837, 0.2662, 0.3137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.0025, 0.2228, 0.2899 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(72, 214, 244)` looks like.

```
.text, #text, p{  
    color:rgb(72, 214, 244)  
}
```

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(72, 214, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 214, 244) }
```

Border

The CSS property to change the border of an element to Yxy 56.0025, 0.2228, 0.2899 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(72, 214, 244) }
```

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

```
.border{ border-color:rgb(72, 214, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 214, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 214, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 214, 244);  
box-shadow:4px 4px 4px 4px rgb(72, 214,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 56.0025, 0.2228, 0.2899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 214, 244) }
```

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

```
.background{ background-color: rgb(72, 214,  
244) }
```

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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