

Converting Colors

$Yxy(56.7214, 0.2216, 0.2867)$

Have a look what the booklet for
Yxy(56.7214, 0.2216, 0.2867)
contains.

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Color

Yxy(56.7178, 0.2214, 0.2864)

Conversions

Conversions Part 1

Format	Color
Hex	47D7F8
RGB	71, 215, 248
RGB Percent	28%, 84%, 97%
CMY	0.7216, 0.1569, 0.0273
CMYK	0.71, 0.13, 0.00, 0.03
HSL	191°, 93%, 63%
HSV	191°, 71%, 97%
XYZ	43.8454, 56.7178, 97.4738
YIQ	175.7060, -96.4170, -20.2650

Conversions

Conversions Part 2

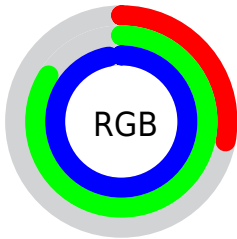
Format	Color
R _Y B	71, 150, 248
Decimal	4708344
CIE Lab	80.02, -27.55, -27.20
CIE LCh	80, 38.714, 224.640
Yxy	56.7178, 0.2214, 0.2864
Android (android.graphics.Color)	4282898424 (0xFF47D7F8)
YUV	175.7060, 35.6409, -91.8272
Hunter-Lab	75.3112, -27.8738, -24.0200

Details

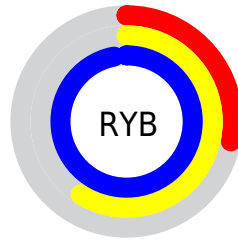
The Yxy color **56.7178, 0.2214, 0.2864** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **30.3235, 0.5298, 0.3585**, and the grayscale version is **43.1035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4027, 0.2524, 0.3288**, and **28.9474, 0.2097, 0.2748** is the 20% darker color. If you saturate the color by 10%, you get **53.6419, 0.2148, 0.2796**, and if you desaturate by 10%, it is **60.2468, 0.2299, 0.2932**.

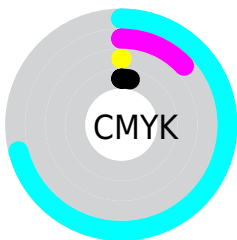
Distribution



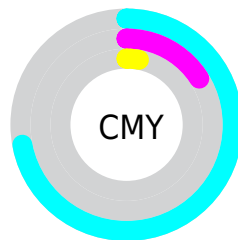
- Red (28%)
- Green (84%)
- Blue (97%)



- Red (28%)
- Yellow (59%)
- Blue (97%)



- Cyan (71%)
- Magenta (13%)
- Yellow (0%)
- Black (3%)




- Cyan (72%)
- Magenta (16%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7178, 0.2214, 0.2864 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 56.7178, 0.2214, 0.2864 by changing the saturation by 10% instead.

 56.7178, 0.2214,
0.2864


 56.7178, 0.2214,
0.2864


412.3910, 0.2637,
0.3081

 40.7787, 0.2119,
0.2810


 100.0533, 0.2360,
0.2943

 28.1462, 0.2002,
0.2742


 128.2185, 0.2417,
0.2972

 18.4359, 0.1857,
0.2652


 161.2279, 0.2466,
0.2998

 11.2634, 0.1672,
0.2530

 199.4658, 0.2509,
0.3019

 6.2443, 0.1430,
0.2357

243.3167, 0.2547,
0.3038

 2.9942, 0.1110,
0.2098

293.1649, 0.2580,

 1.1287, 0.0578,

0.3054

0.1709

349.3949, 0.2610,
0.3068

0.0023, 0.0000,
0.0010

0.0000, 0.0000,
0.0000

56.7178, 0.2214,
0.2864

56.7178, 0.2214,
0.2864

53.6419, 0.2148,
0.2796

60.2468, 0.2299,
0.2932


50.9626, 0.2102,
0.2728

64.2650, 0.2403,
0.2999


48.9058, 0.2075,
0.2670

68.8108, 0.2523,
0.3063


73.9173, 0.2657,
0.3125

 79.6143, 0.2801,
0.3182

 85.9294, 0.2951,
0.3235

 92.8883, 0.3106,
0.3284

 97.6777, 0.3169,
0.3328

 99.5597, 0.3167,
0.3357

Harmonies

Analogous

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



56.7178, 0.2377, 0.3324



56.7178, 0.2214, 0.2864



56.7178, 0.2269, 0.2574

Triad

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



56.7178, 0.2214, 0.2864



56.7178, 0.3483, 0.2828



56.7178, 0.3703, 0.4186

Complementary

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



56.7178, 0.2214, 0.2864



30.3235, 0.5298, 0.3585

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.



56.7178, 0.4045, 0.3955



56.7178, 0.2214, 0.2864



56.7178, 0.3926, 0.3185

Square

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



56.7178, 0.2214, 0.2864



56.7178, 0.2966, 0.2578



56.7178, 0.4135, 0.3586



56.7178, 0.3222, 0.4157

Rectangle

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



56.7178, 0.2214, 0.2864



56.7178, 0.2422, 0.2492



56.7178, 0.4135, 0.3586



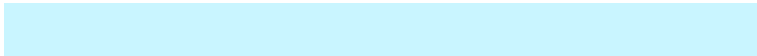
56.7178, 0.3839, 0.4132

Sweetspot

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



56.7199, 0.2214, 0.2864



85.0094, 0.2806, 0.3184



69.4857, 0.2918, 0.5246



17.8212, 0.2765, 0.3169



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.



56.7199, 0.2214, 0.2864



55.7228, 0.2124, 0.2763



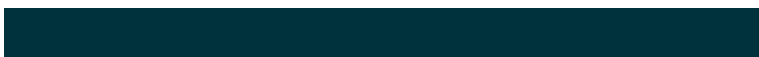
23.3109, 0.1907, 0.1637



19.0255, 0.2980, 0.3245



26.6039, 0.2078, 0.2681



2.6015, 0.2100, 0.2761

Inverse Universe

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



29.3744, 0.3555, 0.1961



27.3627, 0.3662, 0.1855



58.1050, 0.4485, 0.4439



17.4657, 0.3167, 0.3099



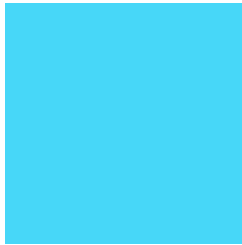
13.0966, 0.3747, 0.1838



1.2269, 0.3671, 0.1796

Previews

White Background



This preview shows how the Yxy color 56.7178, 0.2214, 0.2864 looks on a white background.

Color Contrast Check

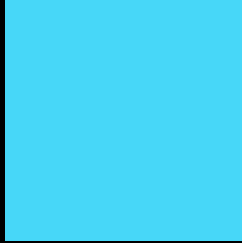
Large Text (above 18pt) WCAG AA × Fail

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 56.7178, 0.2214, 0.2864 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 56.7178, 0.2214, 0.2864

Background



This preview shows how black text looks on a background with the Yxy color 56.7178, 0.2214, 0.2864.

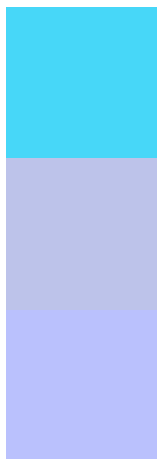


This preview shows how white text looks on a background with the Yxy color 56.7178, 0.2214, 0.2864.

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

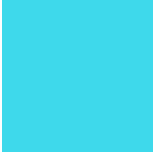
56.7178, 0.2214, 0.2864

Protanopia

55.7895, 0.2812, 0.2834

Deuteranopia

55.6709, 0.2674, 0.2609



Tritanopia

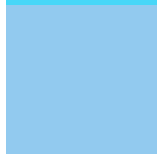
56.6480, 0.2250, 0.3049

Trichromacy



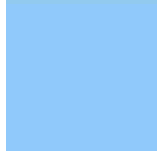
Original Color

56.7178, 0.2214, 0.2864



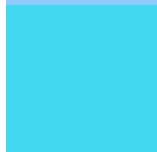
Protanomaly

54.5840, 0.2519, 0.2831



Deuteranomaly

54.6676, 0.2445, 0.2684



Tritanomaly

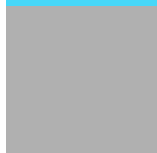
56.5268, 0.2234, 0.2974

Monochromacy



Original Color

56.7178, 0.2214, 0.2864



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

46.4945, 0.2658, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7178, 0.2214, 0.2864 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, 215, 248)` looks like.

```
.text, #text, p{  
    color:rgb(71, 215, 248)  
}
```

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, 215, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 215, 248) }
```

Border

The CSS property to change the border of an element to Yxy 56.7178, 0.2214, 0.2864 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, 215, 248) }
```

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

```
.border{ border-color:rgb(71, 215, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 215, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 215, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 215, 248);  
box-shadow:4px 4px 4px 4px rgb(71, 215,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7178, 0.2214, 0.2864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 215, 248) }
```

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

```
.background{ background-color: rgb(71, 215,  
248) }
```

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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