

Converting Colors

$Yxy(44.8564, 0.2321, 0.3056)$

Have a look what the booklet for
Yxy(44.8564, 0.2321, 0.3056)
contains.

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Color

Yxy(44.8564, 0.2321, 0.3056)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 4EC2D2 |
| RGB | 78, 194, 210 |
| RGB Percent | 31%, 76%, 82% |
| CMY | 0.6942, 0.2392, 0.1763 |
| CMYK | 0.63, 0.08, 0.00, 0.18 |
| HSL | 187°, 59%, 56% |
| HSV | 187°, 63%, 82% |
| XYZ | 34.0680, 44.8564, 67.8570 |
| YIQ | 161.1400, -74.2720, -19.6160 |

Conversions

Conversions Part 2

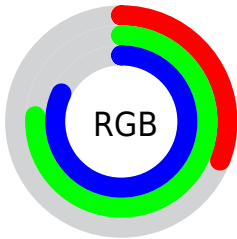
| Format | Color |
|-------------------------------------|---|
| RYB | 78, 140, 210 |
| Decimal | 5161682 |
| CIELab | 72.80, -27.57, -17.74 |
| CIELCh | 73, 32.786, 212.749 |
| Yxy | 44.8564, 0.2321, 0.3056 |
| Android (android.graphics.Color) | 4283351762 (0xFF4EC2D2) |
| YUV | 161.1400, 24.0880, -72.9138 |
| Hunter-Lab | 66.9749, -26.4090, -13.1885 |

Details

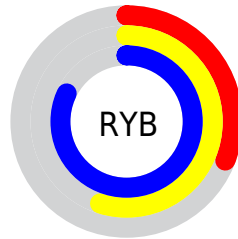
The Yxy color **44.8564, 0.2321, 0.3056** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.2634, 0.4991, 0.3476**, and the grayscale version is **35.6195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7898, 0.2512, 0.3243**, and **21.1565, 0.2158, 0.2969** is the 20% darker color. If you saturate the color by 10%, you get **42.9831, 0.2247, 0.3013**, and if you desaturate by 10%, it is **47.0357, 0.2414, 0.3098**.

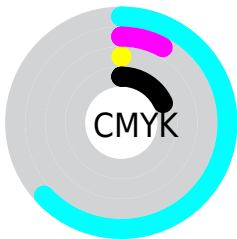
Distribution



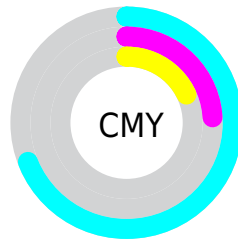
- Red (31%)
- Green (76%)
- Blue (82%)



- Red (31%)
- Yellow (55%)
- Blue (82%)



- Cyan (63%)
- Magenta (8%)
- Yellow (0%)
- Black (18%)




- Cyan (69%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8564, 0.2321, 0.3056 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 44.8564, 0.2321, 0.3056 by changing the saturation by 10% instead.


 44.8564, 0.2321,
0.3056


 44.8564, 0.2321,
0.3056


366.1917, 0.2714,
0.3185


 31.3443, 0.2227,
0.3021

 82.5049, 0.2461,
0.3105

 20.8612, 0.2109,
0.2973


 107.4101, 0.2514,
0.3123

 13.0226, 0.1956,
0.2908

 136.8818, 0.2560,
0.3138

 7.4441, 0.1753,
0.2812

 171.3044, 0.2599,
0.3150

 3.7414, 0.1473,
0.2661

211.0623, 0.2633,
0.3161

 1.5300, 0.1058,
0.2403

256.5399, 0.2663,

 0.3097, 0.0000,

0.3170

0.1529

308.1215, 0.2690,
0.3178

0.0000, 0.0000,
0.0000

44.8564, 0.2321,
0.3056

44.8564, 0.2321,
0.3056

42.9831, 0.2247,
0.3013

47.0357, 0.2414,
0.3098

41.3825, 0.2192,
0.2971

49.5405, 0.2523,
0.3139

40.0226, 0.2156,
0.2929

52.3943, 0.2648,
0.3178

39.1587, 0.2139,
0.2899

55.6169, 0.2785,
0.3215

59.2268, 0.2931,
0.3250

■ 63.2409, 0.3083,
0.3281

■ 67.6752, 0.3238,
0.3310

■ 72.5450, 0.3394,
0.3336

■ 75.5154, 0.3457,
0.3361

Harmonies

Analogous

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



44.8564, 0.2551, 0.3509



44.8564, 0.2321, 0.3056



44.8564, 0.2291, 0.2718

Triad

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



44.8564, 0.2321, 0.3056



44.8564, 0.3267, 0.2758



44.8564, 0.3804, 0.4052

Complementary

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



44.8564, 0.2321, 0.3056



22.2634, 0.4991, 0.3476

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.



44.8564, 0.4034, 0.3781



44.8564, 0.2321, 0.3056



44.8564, 0.3717, 0.3057

Square

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



44.8564, 0.2321, 0.3056



44.8564, 0.2807, 0.2578



44.8564, 0.4005, 0.3420



44.8564, 0.3400, 0.4125

Rectangle

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



44.8564, 0.2321, 0.3056



44.8564, 0.2383, 0.2590



44.8564, 0.4005, 0.3420



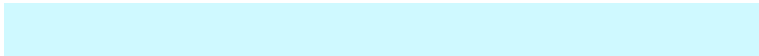
44.8564, 0.3905, 0.3978

Sweetspot

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



44.8581, 0.2321, 0.3056



88.2450, 0.2838, 0.3228



48.5260, 0.2966, 0.5106



18.5520, 0.2796, 0.3218



0.0000, 0.0000, 0.0000



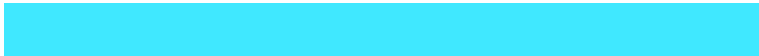
21.4041, 0.3127, 0.3290

Same Dimension

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



44.8581, 0.2321, 0.3056



65.8919, 0.2229, 0.3001



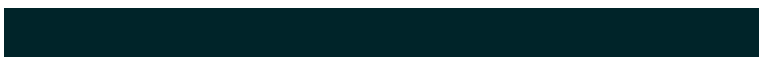
21.8686, 0.2081, 0.2016



13.1518, 0.2983, 0.3261



23.9767, 0.2140, 0.2905



1.4112, 0.2162, 0.2982

Inverse Universe

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



23.0473, 0.3380, 0.1995



30.7124, 0.3441, 0.1835



39.1947, 0.4382, 0.4248



11.9833, 0.3156, 0.3088



10.4917, 0.3539, 0.1723



0.5938, 0.3470, 0.1685

Previews

White Background



This preview shows how the Yxy color 44.8564, 0.2321, 0.3056 looks on a white background.

Color Contrast Check

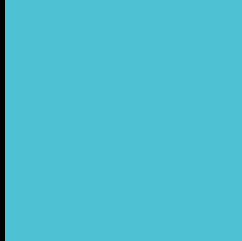
Large Text (above 18pt) WCAG AA × Fail

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 44.8564, 0.2321, 0.3056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

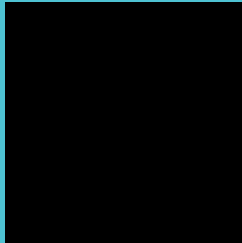
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.8564, 0.2321, 0.3056

Background



This preview shows how black text looks on a background with the Yxy color 44.8564, 0.2321, 0.3056.



This preview shows how white text looks on a background with the Yxy color 44.8564, 0.2321, 0.3056.

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

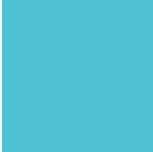
44.8564, 0.2321, 0.3056

Protanopia

44.1266, 0.2938, 0.3002

Deuteranopia

44.4085, 0.2828, 0.2772



Tritanopia

44.8564, 0.2321, 0.3056

Trichromacy



Original Color

44.8564, 0.2321, 0.3056



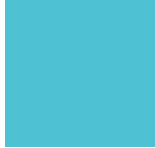
Protanomaly

43.6202, 0.2653, 0.3026



Deuteranomaly

43.4273, 0.2588, 0.2856



Tritanomaly

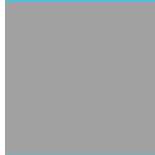
44.8564, 0.2321, 0.3056

Monochromacy



Original Color

44.8564, 0.2321, 0.3056



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

37.9671, 0.2734, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8564, 0.2321, 0.3056 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(78, 194, 210)` looks like.

```
.text, #text, p{  
    color:rgb(78, 194, 210)  
}
```

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(78, 194, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 194, 210) }
```

Border

The CSS property to change the border of an element to Yxy 44.8564, 0.2321, 0.3056 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(78, 194, 210) }
```

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

```
.border{ border-color:rgb(78, 194, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 194, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 194, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 194, 210);  
box-shadow:4px 4px 4px 4px rgb(78, 194,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8564, 0.2321, 0.3056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 194, 210) }
```

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

```
.background{ background-color: rgb(78, 194,  
210) }
```

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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