

Converting Colors

$Yxy(50.8109, 0.2287, 0.3005)$

Have a look what the booklet for
Yxy(50.8109, 0.2287, 0.3005)
contains.

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Color

Yxy(50.7314, 0.2284, 0.3001)

Conversions

Conversions Part 1

Format	Color
Hex	4DCDE2
RGB	77, 205, 226
RGB Percent	30%, 80%, 89%
CMY	0.6986, 0.1960, 0.1137
CMYK	0.66, 0.09, 0.00, 0.11
HSL	188°, 72%, 59%
HSV	188°, 66%, 89%
XYZ	38.6106, 50.7314, 79.7063
YIQ	169.1220, -83.0290, -20.6050

Conversions

Conversions Part 2

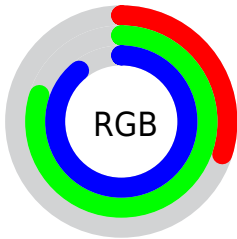
Format	Color
RYB	77, 146, 226
Decimal	5098978
CIELab	76.52, -28.47, -20.74
CIElCh	77, 35.224, 216.071
Yxy	50.7314, 0.2284, 0.3001
Android (android.graphics.Color)	4283289058 (0xFF4DCDE2)
YUV	169.1220, 28.0409, -80.7910
Hunter-Lab	71.2260, -27.8830, -16.4910

Details

The Yxy color **50.7314, 0.2284, 0.3001** 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 **25.4100, 0.5117, 0.3509**, and the grayscale version is **39.6129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **24.7530, 0.2139, 0.2900** is the 20% darker color. If you saturate the color by 10%, you get **48.4466, 0.2214, 0.2951**, and if you desaturate by 10%, it is **53.3771, 0.2373, 0.3051**.

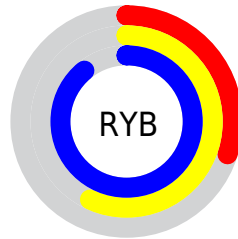
Distribution



Red (30%)

Green (80%)

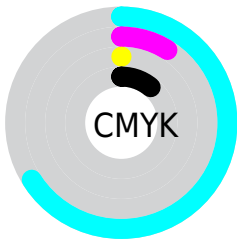
Blue (89%)



Red (30%)

Yellow (57%)

Blue (89%)

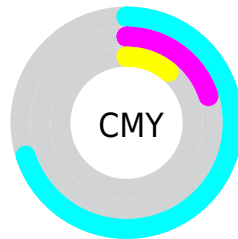


Cyan (66%)

Magenta (9%)

Yellow (0%)

Black (11%)



Cyan (70%)


Magenta (20%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7314, 0.2284, 0.3001 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 50.7314, 0.2284, 0.3001 by changing the saturation by 10% instead.


 50.7314, 0.2284,
0.3001


 50.7314, 0.2284,
0.3001


389.5193, 0.2685,
0.3155

 35.9949, 0.2191,
0.2961


 91.2576, 0.2425,
0.3059


 24.4302, 0.2075,
0.2908


 117.8161, 0.2479,
0.3080

 15.6531, 0.1928,
0.2836


 149.0840, 0.2525,
0.3098

 9.2790, 0.1737,
0.2735

 185.4458, 0.2566,
0.3113

 4.9236, 0.1479,
0.2583

227.2859, 0.2601,
0.3125

 2.2025, 0.1124,
0.2336

274.9885, 0.2632,

 0.7214, 0.0000,

0.3137

0.2005

328.9382, 0.2660,
0.3146

0.0000, 0.0000,
0.0000

50.7314, 0.2284,
0.3001

50.7314, 0.2284,
0.3001

48.4466, 0.2214,
0.2951

53.3771, 0.2373,
0.3051

46.4814, 0.2163,
0.2901

56.4086, 0.2481,
0.3099

44.7933, 0.2130,
0.2851

59.8551, 0.2603,
0.3146

44.1635, 0.2120,
0.2832

63.7409, 0.2738,
0.3190

68.0888, 0.2883,
0.3231

■ 72.9196, 0.3035,
0.3269

■ 78.2528, 0.3190,
0.3303

■ 83.5975, 0.3327,
0.3335

■ 85.3882, 0.3323,
0.3366

Harmonies

Analogous

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



50.7314, 0.2498, 0.3462



50.7314, 0.2284, 0.3001



50.7314, 0.2277, 0.2672

Triad

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



50.7314, 0.2284, 0.3001



50.7314, 0.3325, 0.2771



50.7314, 0.3785, 0.4096

Complementary

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



50.7314, 0.2284, 0.3001



25.4100, 0.5117, 0.3509

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.



50.7314, 0.4047, 0.3831



50.7314, 0.2284, 0.3001



50.7314, 0.3779, 0.3088

Square

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



50.7314, 0.2284, 0.3001



50.7314, 0.2846, 0.2572



50.7314, 0.4051, 0.3465



50.7314, 0.3355, 0.4143

Rectangle

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



50.7314, 0.2284, 0.3001



50.7314, 0.2386, 0.2556



50.7314, 0.4051, 0.3465



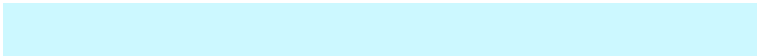
50.7314, 0.3896, 0.4026

Sweetspot

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



50.7333, 0.2284, 0.3001



87.0842, 0.2822, 0.3214



56.8224, 0.2952, 0.5179



18.2955, 0.2781, 0.3202



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.



50.7333, 0.2284, 0.3001



62.7420, 0.2194, 0.2933



23.4439, 0.2021, 0.1897



15.2263, 0.2982, 0.3256



25.3282, 0.2122, 0.2840



1.8472, 0.2143, 0.2916

Inverse Universe

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



25.8664, 0.3430, 0.1970



29.3837, 0.3503, 0.1827



45.9483, 0.4437, 0.4309



13.9007, 0.3159, 0.3091



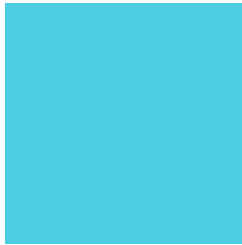
11.4649, 0.3598, 0.1756



0.8039, 0.3529, 0.1718

Previews

White Background



This preview shows how the Yxy color 50.7314, 0.2284, 0.3001 looks on a white background.

Color Contrast Check

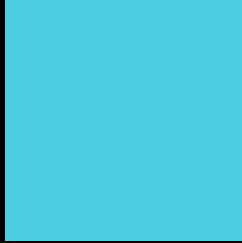
Large Text (above 18pt) WCAG AA × Fail

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 50.7314, 0.2284, 0.3001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

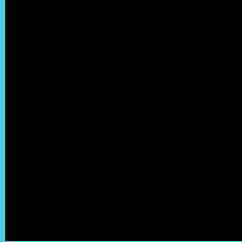
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.7314, 0.2284, 0.3001

Background



This preview shows how black text looks on a background with the Yxy color 50.7314, 0.2284, 0.3001.



This preview shows how white text looks on a background with the Yxy color 50.7314, 0.2284, 0.3001.

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

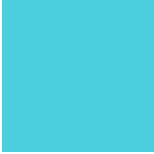
50.7314, 0.2284, 0.3001

Protanopia

49.9892, 0.2903, 0.2956

Deuteranopia

50.2408, 0.2787, 0.2728



Tritanopia

50.9124, 0.2299, 0.3067

Trichromacy



Original Color

50.7314, 0.2284, 0.3001



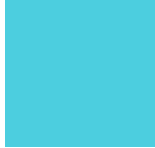
Protanomaly

49.1312, 0.2606, 0.2962



Deuteranomaly

49.3762, 0.2547, 0.2816



Tritanomaly

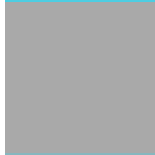
51.0068, 0.2297, 0.3054

Monochromacy



Original Color

50.7314, 0.2284, 0.3001



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.3245, 0.2701, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7314, 0.2284, 0.3001 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(77, 205, 226)` looks like.

```
.text, #text, p{  
    color:rgb(77, 205, 226)  
}
```

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(77, 205, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 205, 226) }
```

Border

The CSS property to change the border of an element to Yxy 50.7314, 0.2284, 0.3001 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(77, 205, 226) }
```

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

```
.border{ border-color:rgb(77, 205, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 205, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 205, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 205, 226);  
box-shadow:4px 4px 4px 4px rgb(77, 205,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7314, 0.2284, 0.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 205, 226) }
```

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

```
.background{ background-color: rgb(77, 205,  
226) }
```

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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