

Converting Colors

$Yxy(51.4084, 0.2288, 0.3016)$

Have a look what the booklet for
Yxy(51.4084, 0.2288, 0.3016)
contains.

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Color

Yxy(51.2114, 0.2288, 0.3015)

Conversions

Conversions Part 1

Format	Color
Hex	4DCEE2
RGB	77, 206, 226
RGB Percent	30%, 81%, 89%
CMY	0.6977, 0.1922, 0.1138
CMYK	0.66, 0.09, 0.00, 0.11
HSL	188°, 72%, 59%
HSV	188°, 66%, 89%
XYZ	38.8629, 51.2114, 79.7811
YIQ	169.7090, -83.3040, -21.1280

Conversions

Conversions Part 2

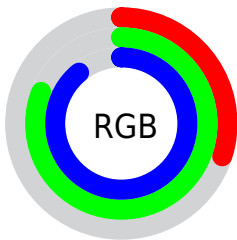
Format	Color
RYB	77, 146, 226
Decimal	5099234
CIELab	76.81, -28.92, -20.29
CIElCh	77, 35.330, 215.059
Yxy	51.2114, 0.2288, 0.3015
Android (android.graphics.Color)	4283289314 (0xFF4DCEE2)
YUV	169.7090, 27.7515, -81.3058
Hunter-Lab	71.5621, -28.2966, -16.0060

Details

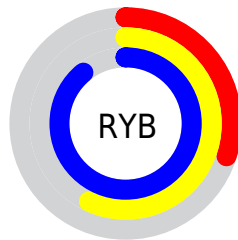
The Yxy color **51.2114, 0.2288, 0.3015** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.2686, 0.5121, 0.3499**, and the grayscale version is **39.9483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **25.0735, 0.2144, 0.2919** is the 20% darker color. If you saturate the color by 10%, you get **48.9827, 0.2218, 0.2967**, and if you desaturate by 10%, it is **53.7986, 0.2377, 0.3062**.

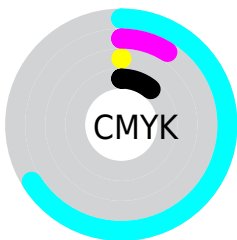
Distribution



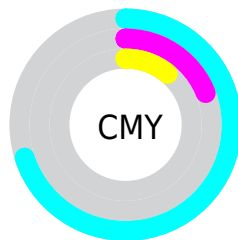
- Red (30%)
- Green (81%)
- Blue (89%)



- Red (30%)
- Yellow (57%)
- Blue (89%)



- Cyan (66%)
- Magenta (9%)
- Yellow (0%)
- Black (11%)





- Cyan (70%)
- Magenta (19%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.2114, 0.2288, 0.3015 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 51.2114, 0.2288, 0.3015 by changing the saturation by 10% instead.

 51.2114, 0.2288,
0.3015

 51.2114, 0.2288,
0.3015


391.3846, 0.2686,
0.3162

 36.3769, 0.2195,
0.2976


 91.9672, 0.2428,
0.3070


 24.7254, 0.2081,
0.2926


 118.6572, 0.2482,
0.3090

 15.8726, 0.1935,
0.2857


 150.0679, 0.2528,
0.3107

 9.4340, 0.1745,
0.2760

 186.5836, 0.2568,
0.3122

 5.0254, 0.1489,
0.2613

228.5887, 0.2603,
0.3134

 2.2621, 0.1136,
0.2375

276.4677, 0.2634,

 0.7536, 0.0028,

0.3144

0.2066

330.6048, 0.2662,
0.3154

0.0000, 0.0000,
0.0000

51.2114, 0.2288,
0.3015

51.2114, 0.2288,
0.3015

48.9827, 0.2218,
0.2967

53.7986, 0.2377,
0.3062

47.0713, 0.2168,
0.2920

56.7691, 0.2483,
0.3108


45.4349, 0.2136,
0.2873


60.1520, 0.2605,
0.3153


44.8113, 0.2126,
0.2854


63.9717, 0.2740,
0.3195

68.2509, 0.2885,
0.3234

 73.0102, 0.3036,
0.3270

 78.2693, 0.3191,
0.3303

 83.4964, 0.3327,
0.3333

 85.2028, 0.3323,
0.3363

Harmonies

Analogous

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



51.2114, 0.2508, 0.3479



51.2114, 0.2288, 0.3015



51.2114, 0.2274, 0.2681

Triad

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



51.2114, 0.2288, 0.3015



51.2114, 0.3308, 0.2763



51.2114, 0.3797, 0.4090

Complementary

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



51.2114, 0.2288, 0.3015



25.2686, 0.5121, 0.3499

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.



51.2114, 0.4052, 0.3820



51.2114, 0.2288, 0.3015



51.2114, 0.3766, 0.3076

Square

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



51.2114, 0.2288, 0.3015



51.2114, 0.2831, 0.2567



51.2114, 0.4045, 0.3452



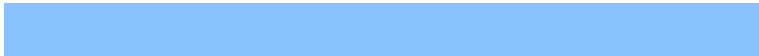
51.2114, 0.3371, 0.4146

Rectangle

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



51.2114, 0.2288, 0.3015



51.2114, 0.2378, 0.2560



51.2114, 0.4045, 0.3452



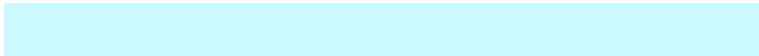
51.2114, 0.3906, 0.4018

Sweetspot

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



51.2133, 0.2288, 0.3015



87.2857, 0.2822, 0.3218



56.8315, 0.2952, 0.5176



18.3445, 0.2782, 0.3206



0.0000, 0.0000, 0.0000



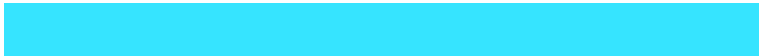
21.4041, 0.3127, 0.3290

Same Dimension

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



51.2133, 0.2288, 0.3015



63.4515, 0.2198, 0.2950



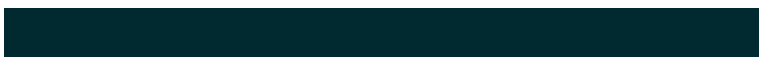
23.4890, 0.2022, 0.1900



15.2420, 0.2982, 0.3258



25.6946, 0.2128, 0.2861



1.8691, 0.2148, 0.2933

Inverse Universe

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



25.9433, 0.3418, 0.1964



29.4553, 0.3489, 0.1818



45.9789, 0.4435, 0.4308



13.9023, 0.3158, 0.3089



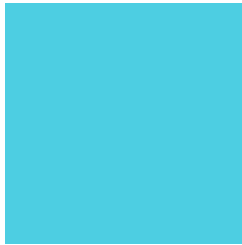
11.5019, 0.3579, 0.1745



0.8061, 0.3513, 0.1709

Previews

White Background



This preview shows how the Yxy color 51.2114, 0.2288, 0.3015 looks on a white background.

Color Contrast Check

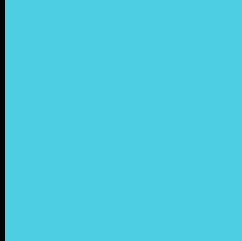
Large Text (above 18pt) WCAG AA × Fail

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 51.2114, 0.2288, 0.3015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

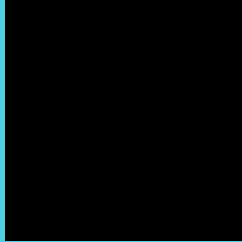
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.2114, 0.2288, 0.3015

Background



This preview shows how black text looks on a background with the Yxy color 51.2114, 0.2288, 0.3015.

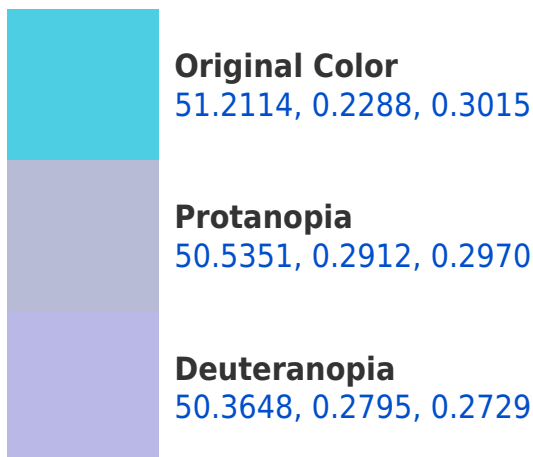


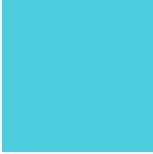
This preview shows how white text looks on a background with the Yxy color 51.2114, 0.2288, 0.3015.

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





Tritanopia

51.0068, 0.2297, 0.3054

Trichromacy



Original Color

51.2114, 0.2288, 0.3015

Protanomaly

49.6653, 0.2614, 0.2976

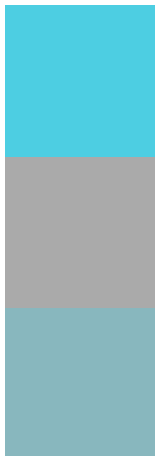
Deuteranomaly

49.4674, 0.2554, 0.2817

Tritanomaly

51.0609, 0.2293, 0.3041

Monochromacy



Original Color

51.2114, 0.2288, 0.3015

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.8189, 0.2710, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2114, 0.2288, 0.3015 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, 206, 226)` looks like.

```
.text, #text, p{  
    color:rgb(77, 206, 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, 206, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 206, 226) }
```

Border

The CSS property to change the border of an element to Yxy 51.2114, 0.2288, 0.3015 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, 206, 226) }
```

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

```
.border{ border-color:rgb(77, 206, 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, 206, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 206, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 206, 226);  
box-shadow:4px 4px 4px 4px rgb(77, 206,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2114, 0.2288, 0.3015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 206, 226) }
```

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

```
.background{ background-color: rgb(77, 206,  
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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