

Converting Colors

$Y_{xy}(48.5063, 0.2246, 0.3146)$

Have a look what the booklet for
Yxy(48.5063, 0.2246, 0.3146)
contains.

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Color

Yxy(48.5122, 0.2245, 0.3144)

Conversions

Conversions Part 1

Format	Color
Hex	29CCD6
RGB	41, 204, 214
RGB Percent	16%, 80%, 84%
CMY	0.8396, 0.2000, 0.1608
CMYK	0.81, 0.05, 0.00, 0.16
HSL	183°, 68%, 50%
HSV	183°, 81%, 84%
XYZ	34.6405, 48.5122, 71.1481
YIQ	156.4030, -100.3580, -31.4460

Conversions

Conversions Part 2

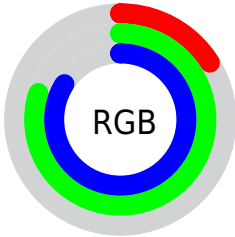
Format	Color
R _Y B	41, 125, 214
Decimal	2739414
CIE Lab	75.15, -35.72, -16.40
CIE LCh	75, 39.309, 204.663
Yxy	48.5122, 0.2245, 0.3144
Android (android.graphics.Color)	4280929494 (0xFF29CCD6)
YUV	156.4030, 28.3953, -101.2084
Hunter-Lab	69.6507, -33.1123, -11.8092

Details

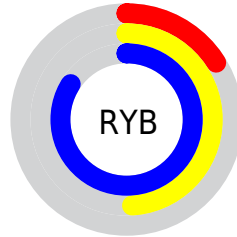
The Yxy color **48.5122, 0.2245, 0.3144** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.8121, 0.5872, 0.3369**, and the grayscale version is **33.3284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **23.9981, 0.2193, 0.3095** is the 20% darker color. If you saturate the color by 10%, you get **47.6038, 0.2213, 0.3125**, and if you desaturate by 10%, it is **49.6675, 0.2295, 0.3164**.

Distribution



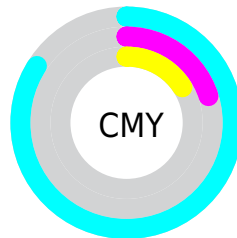
- Red (16%)
- Green (80%)
- Blue (84%)



- Red (16%)
- Yellow (49%)
- Blue (84%)



- Cyan (81%)
- Magenta (5%)
- Yellow (0%)
- Black (16%)





- Cyan (84%)
- Magenta (20%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5122, 0.2245, 0.3144 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 48.5122, 0.2245, 0.3144 by changing the saturation by 10% instead.


 48.5122, 0.2245,
0.3144


 48.5122, 0.2245,
0.3144

380.8188, 0.2668,
0.3231


 34.2327, 0.2146,
0.3119


 87.9665, 0.2394,
0.3178


 23.0724, 0.2022,
0.3084


 113.9101, 0.2452,
0.3190

 14.6470, 0.1864,
0.3036

 144.5106, 0.2501,
0.3200

 8.5720, 0.1657,
0.2962

 180.1522, 0.2543,
0.3208

 4.4631, 0.1377,
0.2844

 221.2194, 0.2580,
0.3215

 1.9358, 0.0982,
0.2635

268.0967, 0.2613,

 0.5698, 0.0000,

0.3221

0.2208

321.1683, 0.2642,
0.3226

■ 0.0000, 0.0000,
0.0000

■ 48.5122, 0.2245,
0.3144

■ 48.5122, 0.2245,
0.3144

■ 47.6038, 0.2213,
0.3125

■ 49.6675, 0.2295,
0.3164

■ 46.9314, 0.2197,
0.3107

■ 51.0984, 0.2364,
0.3183

■ 52.8350, 0.2453,
0.3203

■ 54.9024, 0.2559,
0.3222

■ 57.3229, 0.2680,
0.3240

■ 60.1169, 0.2815,
0.3257

■ 63.3031, 0.2961,
0.3274

■ 66.8992, 0.3113,
0.3289

■ 70.9216, 0.3270,
0.3302

Harmonies

Analogous

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



48.5122, 0.2562, 0.3692



48.5122, 0.2245, 0.3144



48.5122, 0.2151, 0.2706

Triad

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



48.5122, 0.2245, 0.3144



48.5122, 0.3136, 0.2607



48.5122, 0.4008, 0.4101

Complementary

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



48.5122, 0.2245, 0.3144



16.8121, 0.5872, 0.3369

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.



48.5122, 0.4208, 0.3739



48.5122, 0.2245, 0.3144



48.5122, 0.3684, 0.2915

Square

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



48.5122, 0.2245, 0.3144



48.5122, 0.2629, 0.2446



48.5122, 0.4091, 0.3315



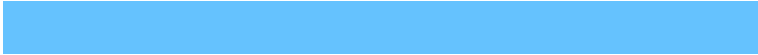
48.5122, 0.3576, 0.4276

Rectangle

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



48.5122, 0.2245, 0.3144



48.5122, 0.2215, 0.2526



48.5122, 0.4091, 0.3315



48.5122, 0.4106, 0.3994

Sweetspot

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



48.5140, 0.2245, 0.3144



87.9519, 0.2769, 0.3252



48.7837, 0.2990, 0.5716



18.5060, 0.2720, 0.3245



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.



48.5140, 0.2245, 0.3144



70.0244, 0.2200, 0.3111



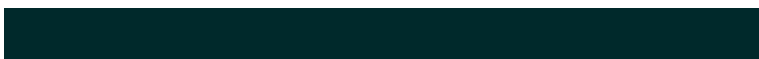
18.4692, 0.1882, 0.1772



13.9794, 0.2983, 0.3276



28.4237, 0.2197, 0.3110



1.7525, 0.2207, 0.3143

Inverse Universe

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



20.2343, 0.3323, 0.1706



27.7612, 0.3357, 0.1630



32.0915, 0.4902, 0.4258



12.6198, 0.3147, 0.3073



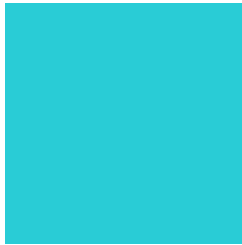
11.2142, 0.3358, 0.1624



0.6802, 0.3330, 0.1608

Previews

White Background



This preview shows how the Yxy color 48.5122, 0.2245, 0.3144 looks on a white background.

Color Contrast Check

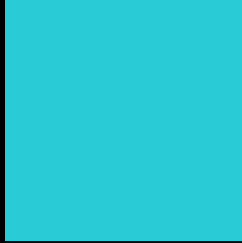
Large Text (above 18pt) WCAG AA × Fail

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 48.5122, 0.2245, 0.3144 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 48.5122, 0.2245, 0.3144

Background



This preview shows how black text looks on a background with the Yxy color 48.5122, 0.2245, 0.3144.



This preview shows how white text looks on a background with the Yxy color 48.5122, 0.2245, 0.3144.

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

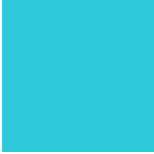
48.5122, 0.2245, 0.3144

Protanopia

47.5711, 0.2989, 0.3061

Deuteranopia

47.5450, 0.2866, 0.2799



Tritanopia

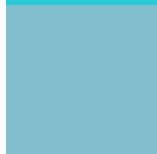
48.4835, 0.2228, 0.3047

Trichromacy



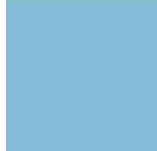
Original Color

48.5122, 0.2245, 0.3144



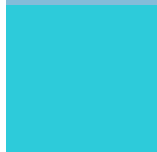
Protanomaly

46.0600, 0.2596, 0.3082



Deuteranomaly

45.8817, 0.2528, 0.2898



Tritanomaly

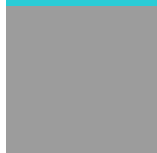
48.3317, 0.2232, 0.3074

Monochromacy



Original Color

48.5122, 0.2245, 0.3144



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

36.6389, 0.2626, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5122, 0.2245, 0.3144 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(41, 204, 214)` looks like.

```
.text, #text, p{  
    color:rgb(41, 204, 214)  
}
```

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(41, 204, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 204, 214) }
```

Border

The CSS property to change the border of an element to Yxy 48.5122, 0.2245, 0.3144 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(41, 204, 214) }
```

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

```
.border{ border-color:rgb(41, 204, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 204, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 204, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 204, 214);  
box-shadow:4px 4px 4px 4px rgb(41, 204,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5122, 0.2245, 0.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 204, 214) }
```

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

```
.background{ background-color: rgb(41, 204,  
214) }
```

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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