

Converting Colors

$Yxy(44.6194, 0.2309, 0.3071)$

Have a look what the booklet for
Yxy(44.6194, 0.2309, 0.3071)
contains.

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Color

Yxy(44.6035, 0.2309, 0.3069)

Conversions

Conversions Part 1

Format	Color
Hex	49C2D1
RGB	73, 194, 209
RGB Percent	29%, 76%, 82%
CMY	0.7131, 0.2393, 0.1803
CMYK	0.65, 0.07, 0.00, 0.18
HSL	187°, 60%, 55%
HSV	187°, 65%, 82%
XYZ	33.5580, 44.6035, 67.1741
YIQ	159.5310, -76.9310, -20.9870

Conversions

Conversions Part 2

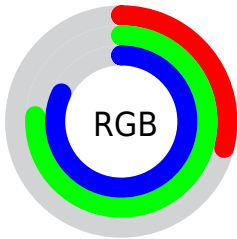
Format	Color
RYB	73, 137, 209
Decimal	4834001
CIELab	72.63, -28.63, -17.45
CIELCh	73, 33.532, 211.356
Yxy	44.6035, 0.2309, 0.3069
Android (android.graphics.Color)	4283024081 (0xFF49C2D1)
YUV	159.5310, 24.3882, -75.8877
Hunter-Lab	66.7859, -27.1841, -12.8846

Details

The Yxy color **44.6035, 0.2309, 0.3069** 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 **21.0508, 0.5099, 0.3461**, and the grayscale version is **34.8586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4486, 0.2496, 0.3243**, and **21.1227, 0.2163, 0.2988** is the 20% darker color. If you saturate the color by 10%, you get **42.8982, 0.2241, 0.3030**, and if you desaturate by 10%, it is **46.6026, 0.2396, 0.3107**.

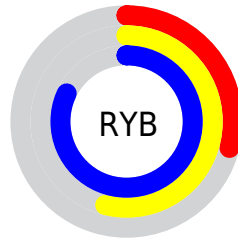
Distribution



Red (29%)

Green (76%)

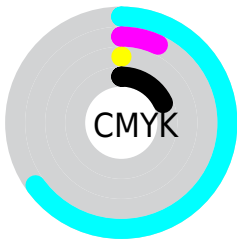
Blue (82%)



Red (29%)

Yellow (54%)

Blue (82%)

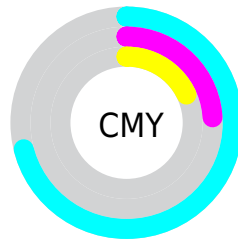


Cyan (65%)

Magenta (7%)

Yellow (0%)

Black (18%)



Cyan (71%)


Magenta (24%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6035, 0.2309, 0.3069 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 44.6035, 0.2309, 0.3069 by changing the saturation by 10% instead.


 44.6035, 0.2309,
0.3069

 44.6035, 0.2309,
0.3069


365.1653, 0.2708,
0.3192

 31.1452, 0.2213,
0.3035

 82.1251, 0.2451,
0.3116

 20.7095, 0.2093,
0.2989


 106.9572, 0.2505,
0.3133

 12.9118, 0.1938,
0.2926


 136.3494, 0.2552,
0.3147

 7.3678, 0.1732,
0.2832

 170.6861, 0.2591,
0.3159

 3.6932, 0.1447,
0.2682

210.3516, 0.2626,
0.3169

 1.5035, 0.1017,
0.2428

255.7304, 0.2657,

 0.2912, 0.0000,

0.3178

0.1494

307.2069, 0.2684,
0.3185

0.0000, 0.0000,
0.0000

44.6035, 0.2309,
0.3069

44.6035, 0.2309,
0.3069

42.8982, 0.2241,
0.3030

46.6026, 0.2396,
0.3107

41.4529, 0.2191,
0.2992

48.9153, 0.2501,
0.3145

40.2341, 0.2160,
0.2954

51.5653, 0.2622,
0.3181

39.6781, 0.2149,
0.2935

54.5727, 0.2756,
0.3215

57.9558, 0.2899,
0.3247

■ 61.7318, 0.3050,
0.3276

■ 65.9165, 0.3205,
0.3303

■ 70.5252, 0.3361,
0.3327

■ 74.3635, 0.3469,
0.3350

Harmonies

Analogous

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



44.6035, 0.2552, 0.3537



44.6035, 0.2309, 0.3069



44.6035, 0.2269, 0.2716

Triad

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



44.6035, 0.2309, 0.3069



44.6035, 0.3247, 0.2734



44.6035, 0.3836, 0.4061

Complementary

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



44.6035, 0.2309, 0.3069



21.0508, 0.5099, 0.3461

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.



44.6035, 0.4061, 0.3775



44.6035, 0.2309, 0.3069



44.6035, 0.3712, 0.3035

Square

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



44.6035, 0.2309, 0.3069



44.6035, 0.2780, 0.2558



44.6035, 0.4019, 0.3404



44.6035, 0.3427, 0.4149

Rectangle

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



44.6035, 0.2309, 0.3069



44.6035, 0.2357, 0.2580



44.6035, 0.4019, 0.3404



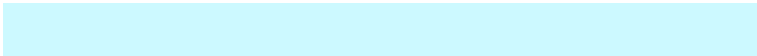
44.6035, 0.3936, 0.3982

Sweetspot

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



44.6052, 0.2309, 0.3069



88.0301, 0.2823, 0.3230



47.7168, 0.2973, 0.5202



18.5253, 0.2783, 0.3221



0.0000, 0.0000, 0.0000



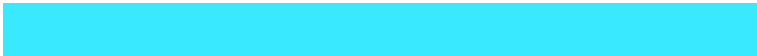
21.4041, 0.3127, 0.3290

Same Dimension

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



44.6052, 0.2309, 0.3069



66.3388, 0.2219, 0.3015



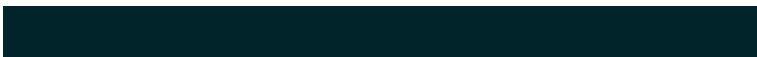
21.3348, 0.2058, 0.2002



13.1743, 0.2983, 0.3264



24.5493, 0.2150, 0.2941



1.4379, 0.2170, 0.3010

Inverse Universe

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



22.2377, 0.3372, 0.1951



29.9810, 0.3431, 0.1793



37.3750, 0.4450, 0.4246



11.9856, 0.3154, 0.3086



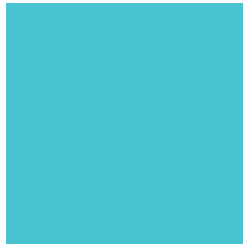
10.5495, 0.3507, 0.1706



0.5964, 0.3445, 0.1672

Previews

White Background



This preview shows how the Yxy color 44.6035, 0.2309, 0.3069 looks on a white background.

Color Contrast Check

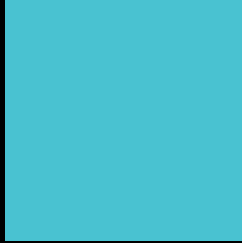
Large Text (above 18pt) WCAG AA × Fail

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 44.6035, 0.2309, 0.3069 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 44.6035, 0.2309, 0.3069

Background



This preview shows how black text looks on a background with the Yxy color 44.6035, 0.2309, 0.3069.

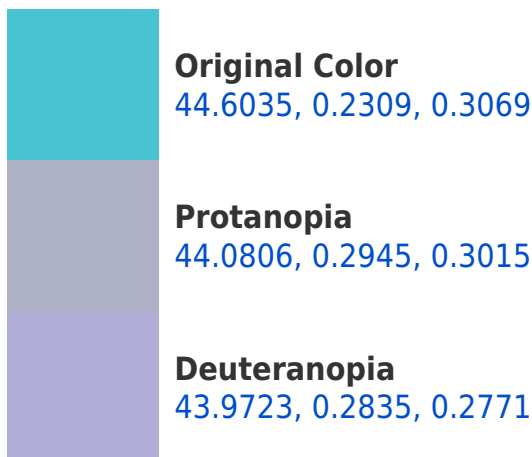


This preview shows how white text looks on a background with the Yxy color 44.6035, 0.2309, 0.3069.

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

44.6532, 0.2304, 0.3055

Trichromacy



Original Color

44.6035, 0.2309, 0.3069

Protanomaly

43.4024, 0.2646, 0.3039

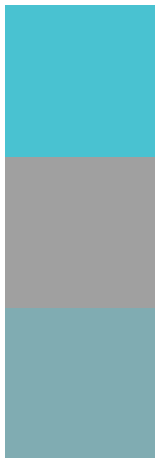
Deuteranomaly

43.2902, 0.2588, 0.2868

Tritanomaly

44.6532, 0.2304, 0.3055

Monochromacy



Original Color

44.6035, 0.2309, 0.3069

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

37.3086, 0.2717, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6035, 0.2309, 0.3069 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(73, 194, 209)` looks like.

```
.text, #text, p{  
    color:rgb(73, 194, 209)  
}
```

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(73, 194, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 194, 209) }
```

Border

The CSS property to change the border of an element to Yxy 44.6035, 0.2309, 0.3069 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(73, 194, 209) }
```

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

```
.border{ border-color:rgb(73, 194, 209) }
```

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

Here you see how a box with a 4 pixel rgb(73, 194, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 194, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 194, 209);  
box-shadow:4px 4px 4px 4px rgb(73, 194,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6035, 0.2309, 0.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 194, 209) }
```

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

```
.background{ background-color: rgb(73, 194,  
209) }
```

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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