

Converting Colors

$Y_{xy}(48.8055, 0.2266, 0.2915)$

Have a look what the booklet for
Yxy(48.8055, 0.2266, 0.2915)
contains.

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Color

Yxy(48.9944, 0.2265, 0.2918)

Conversions

Conversions Part 1

Format	Color
Hex	4EC9E4
RGB	78, 201, 228
RGB Percent	31%, 79%, 89%
CMY	0.6945, 0.2117, 0.1057
CMYK	0.66, 0.12, 0.00, 0.11
HSL	191°, 74%, 60%
HSV	191°, 66%, 89%
XYZ	38.0303, 48.9944, 80.8794
YIQ	167.3010, -81.9750, -17.6790

Conversions

Conversions Part 2

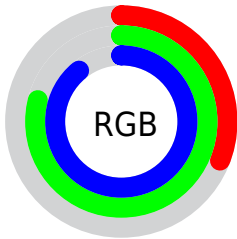
Format	Color
R _Y B	78, 146, 228
Decimal	5163492
CIE Lab	75.45, -25.73, -23.46
CIE LCh	75, 34.821, 222.357
Yxy	48.9944, 0.2265, 0.2918
Android (android.graphics.Color)	4283353572 (0xFF4EC9E4)
YUV	167.3010, 29.9246, -78.3170
Hunter-Lab	69.9960, -25.5103, -19.5115

Details

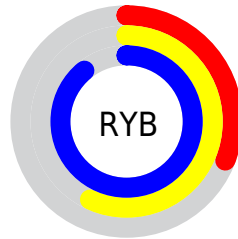
The Yxy color **48.9944, 0.2265, 0.2918** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **27.1402, 0.5058, 0.3573**, and the grayscale version is **38.6691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **23.8846, 0.2113, 0.2808** is the 20% darker color. If you saturate the color by 10%, you get **46.3065, 0.2189, 0.2853**, and if you desaturate by 10%, it is **52.0707, 0.2360, 0.2983**.

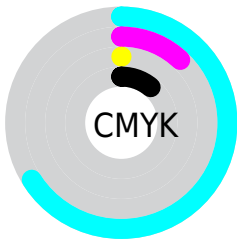
Distribution



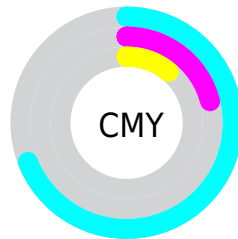
- Red (31%)
- Green (79%)
- Blue (89%)



- Red (31%)
- Yellow (57%)
- Blue (89%)



- Cyan (66%)
- Magenta (12%)
- Yellow (0%)
- Black (11%)



- Cyan (69%)
- Magenta (21%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9944, 0.2265, 0.2918 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 48.9944, 0.2265, 0.2918 by changing the saturation by 10% instead.


 48.9944, 0.2265,
0.2918


 48.9944, 0.2265,
0.2918


382.7203, 0.2676,
0.3113

 34.6150, 0.2169,
0.2868


 88.6831, 0.2410,
0.2990

 23.3665, 0.2050,
0.2802


 114.7613, 0.2465,
0.3017

 14.8644, 0.1899,
0.2715


 145.5079, 0.2513,
0.3040

 8.7242, 0.1702,
0.2592


 181.3072, 0.2554,
0.3059

 4.5618, 0.1437,
0.2411

222.5437, 0.2591,
0.3075

 1.9925, 0.1074,
0.2124

269.6018, 0.2623,

 0.6031, 0.0000,

0.3089

0.1672

322.8659, 0.2651,
0.3102

■ 0.0000, 0.0000,
0.0000

■ 48.9944, 0.2265,
0.2918

■ 48.9944, 0.2265,
0.2918

■ 46.3065, 0.2189,
0.2853

■ 52.0707, 0.2360,
0.2983

■ 43.9650, 0.2132,
0.2787

■ 55.5615, 0.2472,
0.3045

■ 41.9266, 0.2095,
0.2722

■ 59.4964, 0.2599,
0.3106

■ 41.1356, 0.2082,
0.2696

■ 63.9009, 0.2738,
0.3162

■ 68.7980, 0.2885,
0.3215

■ 74.2093, 0.3037,
0.3264

■ 80.1550, 0.3192,
0.3308

■ 85.6272, 0.3309,
0.3348

■ 87.9905, 0.3304,
0.3388

Harmonies

Analogous

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



48.9944, 0.2437, 0.3361



48.9944, 0.2265, 0.2918



48.9944, 0.2301, 0.2627

Triad

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



48.9944, 0.2265, 0.2918



48.9944, 0.3428, 0.2830



48.9944, 0.3705, 0.4127

Complementary

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



48.9944, 0.2265, 0.2918



27.1402, 0.5058, 0.3573

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.



48.9944, 0.4012, 0.3899



48.9944, 0.2265, 0.2918



48.9944, 0.3856, 0.3165

Square

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



48.9944, 0.2265, 0.2918



48.9944, 0.2941, 0.2601



48.9944, 0.4074, 0.3545



48.9944, 0.3256, 0.4117

Rectangle

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



48.9944, 0.2265, 0.2918



48.9944, 0.2438, 0.2537



48.9944, 0.4074, 0.3545



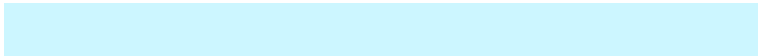
48.9944, 0.3829, 0.4072

Sweetspot

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



48.9962, 0.2265, 0.2918



85.8576, 0.2821, 0.3193



58.1024, 0.2932, 0.5110



17.9979, 0.2779, 0.3178



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.



48.9962, 0.2265, 0.2918



58.5127, 0.2166, 0.2829



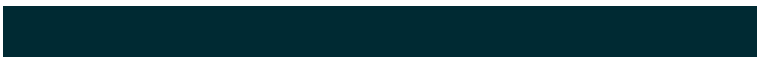
22.6452, 0.2005, 0.1826



15.8717, 0.2981, 0.3247



23.9033, 0.2085, 0.2706



1.8820, 0.2111, 0.2800

Inverse Universe

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



26.1536, 0.3500, 0.2022



28.9568, 0.3596, 0.1883



48.8884, 0.4393, 0.4357



14.5684, 0.3165, 0.3099



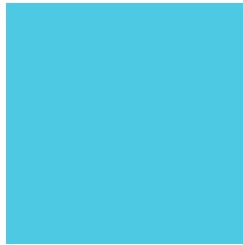
11.6108, 0.3723, 0.1825



0.8697, 0.3635, 0.1776

Previews

White Background



This preview shows how the Yxy color 48.9944, 0.2265, 0.2918 looks on a white background.

Color Contrast Check

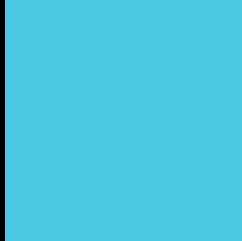
Large Text (above 18pt) WCAG AA × Fail

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 48.9944, 0.2265, 0.2918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

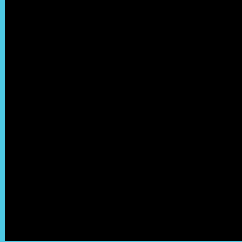
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.9944, 0.2265, 0.2918

Background



This preview shows how black text looks on a background with the Yxy color 48.9944, 0.2265, 0.2918.



This preview shows how white text looks on a background with the Yxy color 48.9944, 0.2265, 0.2918.

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

48.9944, 0.2265, 0.2918

Protanopia

48.2898, 0.2843, 0.2879

Deuteranopia

48.3389, 0.2734, 0.2673



Tritanopia

49.2428, 0.2295, 0.3064

Trichromacy



Original Color

48.9944, 0.2265, 0.2918



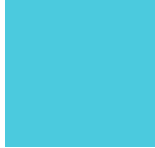
Protanomaly

47.7450, 0.2576, 0.2895



Deuteranomaly

47.4867, 0.2511, 0.2737



Tritanomaly

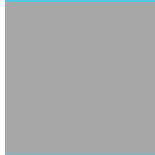
49.0108, 0.2285, 0.3010

Monochromacy



Original Color

48.9944, 0.2265, 0.2918



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

41.0652, 0.2703, 0.3145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9944, 0.2265, 0.2918 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, 201, 228)` looks like.

```
.text, #text, p{  
    color:rgb(78, 201, 228)  
}
```

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, 201, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 201, 228) }
```

Border

The CSS property to change the border of an element to Yxy 48.9944, 0.2265, 0.2918 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, 201, 228) }
```

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

```
.border{ border-color:rgb(78, 201, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 201, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 201, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 201, 228);  
box-shadow:4px 4px 4px 4px rgb(78, 201,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9944, 0.2265, 0.2918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 201, 228) }
```

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

```
.background{ background-color: rgb(78, 201,  
228) }
```

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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