

Converting Colors

$Y_{xy}(49.4568, 0.2518, 0.3289)$

Have a look what the booklet for
Yxy(49.4568, 0.2518, 0.3289)
contains.

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Color

Yxy(49.2415, 0.2520, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	6DC9C9
RGB	109, 201, 201
RGB Percent	43%, 79%, 79%
CMY	0.5724, 0.2118, 0.2117
CMYK	0.46, 0.00, 0.00, 0.21
HSL	180°, 46%, 61%
HSV	180°, 46%, 79%
XYZ	37.7398, 49.2415, 62.7799
YIQ	173.4920, -54.8320, -19.5040

Conversions

Conversions Part 2

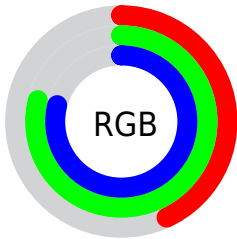
Format	Color
RYB	109, 155, 201
Decimal	7195081
CIELab	75.60, -27.33, -8.53
CIElCh	76, 28.633, 197.330
Yxy	49.2415, 0.2520, 0.3288
Android (android.graphics.Color)	4285385161 (0xFF6DC9C9)
YUV	173.4920, 13.5614, -56.5595
Hunter-Lab	70.1723, -26.8012, -3.9234

Details

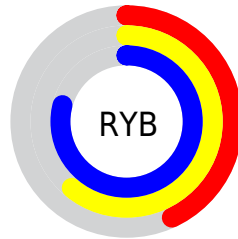
The Yxy color **49.2415, 0.2520, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.4720, 0.4351, 0.3294**, and the grayscale version is **42.0093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **23.6270, 0.2361, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **48.1092, 0.2429, 0.3288**, and if you desaturate by 10%, it is **50.6692, 0.2629, 0.3288**.

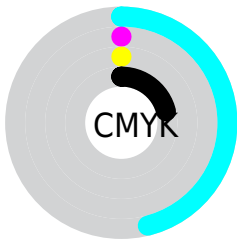
Distribution



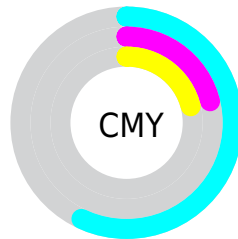
- Red (43%)
- Green (79%)
- Blue (79%)



- Red (43%)
- Yellow (61%)
- Blue (79%)



- Cyan (46%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)





- Cyan (57%)
- Magenta (21%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.2415, 0.2520, 0.3288 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 49.2415, 0.2520, 0.3288 by changing the saturation by 10% instead.


 49.2415, 0.2520,
0.3288


 49.2415, 0.2520,
0.3288


383.6923, 0.2815,
0.3295


 34.8111, 0.2449,
0.3284


 89.0500, 0.2625,
0.3292

 23.5174, 0.2359,
0.3279


 115.1969, 0.2665,
0.3293

 14.9760, 0.2243,
0.3269


 146.0181, 0.2700,
0.3294

 8.8026, 0.2086,
0.3253

181.8980, 0.2729,
0.3294

 4.6126, 0.1864,
0.3222

223.2210, 0.2755,
0.3295

 2.0218, 0.1531,
0.3155

270.3714, 0.2777,

 0.6201, 0.0000,

0.3295

0.3221

323.7337, 0.2797,
0.3295

0.0000, 0.0000,
0.0000

49.2415, 0.2520,
0.3288

49.2415, 0.2520,
0.3288

48.1092, 0.2429,
0.3288

50.6692, 0.2629,
0.3288

47.2463, 0.2357,
0.3287

52.4047, 0.2753,
0.3289

46.6321, 0.2304,
0.3287

54.4667, 0.2891,
0.3289

46.2403, 0.2269,
0.3287

56.8707, 0.3039,
0.3290


46.0381, 0.2251,
0.3287

59.6313, 0.3194,
0.3290

 45.9824, 0.2246,
0.3287

 62.7622, 0.3353,
0.3291

 66.2763, 0.3514,
0.3291

 67.2608, 0.3556,
0.3291

 67.2622, 0.3556,
0.3291

Harmonies

Analogous

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



49.2415, 0.2797, 0.3667



49.2415, 0.2520, 0.3288



49.2415, 0.2402, 0.2939

Triad

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



49.2415, 0.2520, 0.3288



49.2415, 0.3041, 0.2738



49.2415, 0.3827, 0.3841

Complementary

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



49.2415, 0.2520, 0.3288



24.4720, 0.4351, 0.3294

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.



49.2415, 0.3911, 0.3563



49.2415, 0.2520, 0.3288



49.2415, 0.3441, 0.2949

Square

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



49.2415, 0.2520, 0.3288



49.2415, 0.2687, 0.2652



49.2415, 0.3768, 0.3243



49.2415, 0.3552, 0.3991

Rectangle

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



49.2415, 0.2520, 0.3288



49.2415, 0.2422, 0.2774



49.2415, 0.3768, 0.3243



49.2415, 0.3880, 0.3758

Sweetspot

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



49.2434, 0.2520, 0.3288



93.8433, 0.2913, 0.3289



46.1370, 0.3060, 0.4712



19.9062, 0.2882, 0.3289



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.



49.2434, 0.2520, 0.3288



82.3548, 0.2429, 0.3288



30.9218, 0.2397, 0.2593



12.0673, 0.2984, 0.3290



28.9085, 0.2246, 0.3287



1.3689, 0.2246, 0.3287

Inverse Universe

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



27.5812, 0.3179, 0.2186



40.6832, 0.3189, 0.1984



36.9747, 0.4055, 0.3887



10.8166, 0.3138, 0.3062



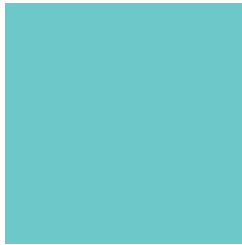
10.4583, 0.3210, 0.1542



0.4952, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 49.2415, 0.2520, 0.3288 looks on a white background.

Color Contrast Check

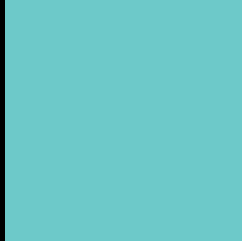
Large Text (above 18pt) WCAG AA × Fail

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 49.2415, 0.2520, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

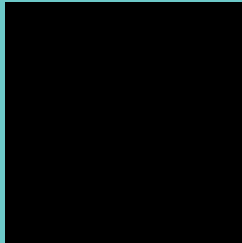
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

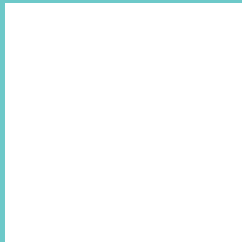
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.2415, 0.2520, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 49.2415, 0.2520, 0.3288.



This preview shows how white text looks on a background with the Yxy color 49.2415, 0.2520, 0.3288.

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

49.2415, 0.2520, 0.3288

Protanopia

48.6074, 0.3098, 0.3201

Deuteranopia

48.5196, 0.3049, 0.2984



Tritanopia

49.2639, 0.2461, 0.3070

Trichromacy



Original Color

49.2415, 0.2520, 0.3288

Protanomaly

48.1380, 0.2849, 0.3223

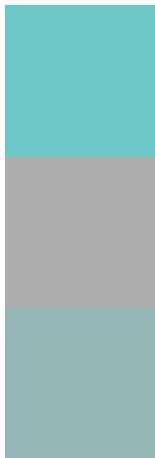
Deuteranomaly

48.1126, 0.2816, 0.3080

Tritanomaly

49.4064, 0.2485, 0.3150

Monochromacy



Original Color

49.2415, 0.2520, 0.3288

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

44.2257, 0.2854, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2415, 0.2520, 0.3288 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(109, 201, 201)` looks like.

```
.text, #text, p{  
    color:rgb(109, 201, 201)  
}
```

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(109, 201, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 201, 201) }
```

Border

The CSS property to change the border of an element to Yxy 49.2415, 0.2520, 0.3288 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(109, 201, 201) }
```

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

```
.border{ border-color:rgb(109, 201, 201) }
```

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

Here you see how a box with a 4 pixel rgb(109, 201, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 201, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 201, 201);  
box-shadow:4px 4px 4px 4px rgb(109, 201,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2415, 0.2520, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 201, 201) }
```

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

```
.background{ background-color: rgb(109,  
201, 201) }
```

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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