

Converting Colors

$Y_{xy}(46.7205, 0.2500, 0.3248)$

Have a look what the booklet for
Yxy(46.7205, 0.2500, 0.3248)
contains.

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Color

Yxy(46.6066, 0.2498, 0.3245)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 69C4C7 |
| RGB | 105, 196, 199 |
| RGB Percent | 41%, 77%, 78% |
| CMY | 0.5881, 0.2314, 0.2196 |
| CMYK | 0.47, 0.02, 0.00, 0.22 |
| HSL | 182°, 46%, 60% |
| HSV | 182°, 47%, 78% |
| XYZ | 35.8777, 46.6066, 61.1415 |
| YIQ | 169.1330, -55.1990, -18.3590 |

Conversions

Conversions Part 2

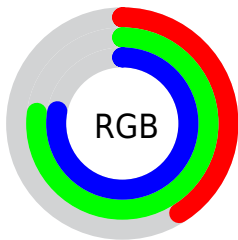
| Format | Color |
|-------------------------------------|---|
| RYB | 105, 151, 199 |
| Decimal | 6931655 |
| CIELab | 73.94, -26.31, -9.94 |
| CIElCh | 74, 28.122, 200.693 |
| Yxy | 46.6066, 0.2498, 0.3245 |
| Android (android.graphics.Color) | 4285121735 (0xFF69C4C7) |
| YUV | 169.1330, 14.7244, -56.2446 |
| Hunter-Lab | 68.2690, -25.6628, -5.3116 |

Details

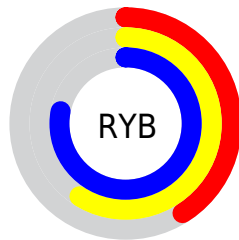
The Yxy color **46.6066, 0.2498, 0.3245** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.8984, 0.4390, 0.3333**, and the grayscale version is **39.6967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1519, 0.2611, 0.3266**, and **21.9258, 0.2329, 0.3227** is the 20% darker color. If you saturate the color by 10%, you get **45.2537, 0.2406, 0.3234**, and if you desaturate by 10%, it is **48.2463, 0.2607, 0.3255**.

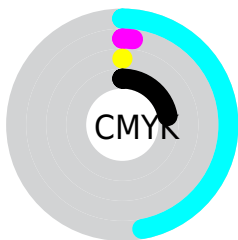
Distribution



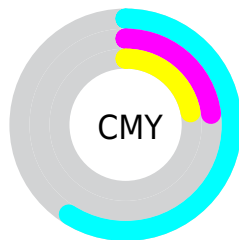
- Red (41%)
- Green (77%)
- Blue (78%)



- Red (41%)
- Yellow (59%)
- Blue (78%)



- Cyan (47%)
- Magenta (2%)
- Yellow (0%)
- Black (22%)



- Cyan (59%)
- Magenta (23%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6066, 0.2498, 0.3245 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 46.6066, 0.2498, 0.3245 by changing the saturation by 10% instead.


 46.6066, 0.2498,
0.3245


 46.6066, 0.2498,
0.3245


373.2420, 0.2806,
0.3275

 32.7248, 0.2423,
0.3236


 85.1261, 0.2608,
0.3257

 21.9157, 0.2329,
0.3222


 110.5326, 0.2650,
0.3261

 13.7950, 0.2205,
0.3202


 140.5493, 0.2686,
0.3265

 7.9782, 0.2038,
0.3171

 175.5609, 0.2717,
0.3268

 4.0810, 0.1801,
0.3116

215.9515, 0.2744,
0.3270

 1.7190, 0.1442,
0.3007

262.1056, 0.2767,

 0.4359, 0.0000,

0.3272

0.2690

314.4077, 0.2788,
0.3273

0.0000, 0.0000,
0.0000

46.6066, 0.2498,
0.3245

46.6066, 0.2498,
0.3245

45.2537, 0.2406,
0.3234

48.2463, 0.2607,
0.3255

44.1623, 0.2333,
0.3224

50.1854, 0.2732,
0.3266

43.3115, 0.2279,
0.3213


52.4422, 0.2869,
0.3275

42.6750, 0.2243,
0.3202

55.0321, 0.3017,
0.3284


42.2165, 0.2223,
0.3192

57.9695, 0.3170,
0.3292

 42.1026, 0.2219,
0.3189

 61.2677, 0.3328,
0.3300

 64.9396, 0.3488,
0.3307

 67.2021, 0.3572,
0.3313

 67.5000, 0.3571,
0.3319

Harmonies

Analogous

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



46.6066, 0.2759, 0.3628



46.6066, 0.2498, 0.3245



46.6066, 0.2399, 0.2907

Triad

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



46.6066, 0.2498, 0.3245



46.6066, 0.3086, 0.2756



46.6066, 0.3805, 0.3866

Complementary

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



46.6066, 0.2498, 0.3245



23.8984, 0.4390, 0.3333

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.



46.6066, 0.3913, 0.3598



46.6066, 0.2498, 0.3245



46.6066, 0.3484, 0.2979

Square

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



46.6066, 0.2498, 0.3245



46.6066, 0.2722, 0.2654



46.6066, 0.3795, 0.3279



46.6066, 0.3513, 0.3996

Rectangle

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



46.6066, 0.2498, 0.3245



46.6066, 0.2433, 0.2753



46.6066, 0.3795, 0.3279



46.6066, 0.3865, 0.3787

Sweetspot

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



46.6084, 0.2498, 0.3245



93.1194, 0.2913, 0.3278



44.9089, 0.3049, 0.4740



19.7275, 0.2881, 0.3276



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.



46.6084, 0.2498, 0.3245



79.0989, 0.2401, 0.3234



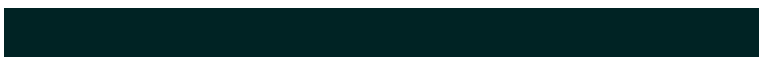
29.0877, 0.2370, 0.2542



12.0070, 0.2984, 0.3282



27.0964, 0.2220, 0.3190



1.3017, 0.2226, 0.3212

Inverse Universe

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



26.2391, 0.3213, 0.2185



39.2603, 0.3232, 0.1980



36.1392, 0.4082, 0.3924



10.8105, 0.3143, 0.3070



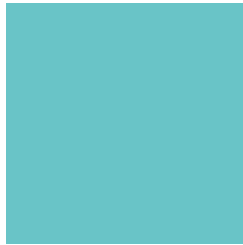
10.2754, 0.3290, 0.1586



0.4884, 0.3272, 0.1576

Previews

White Background



This preview shows how the Yxy color 46.6066, 0.2498, 0.3245 looks on a white background.

Color Contrast Check

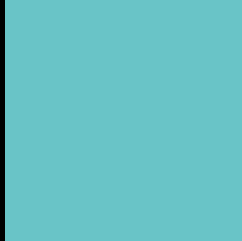
Large Text (above 18pt) WCAG AA × Fail

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 46.6066, 0.2498, 0.3245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

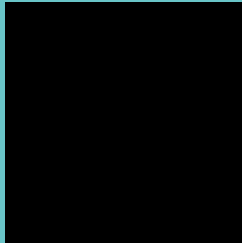
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

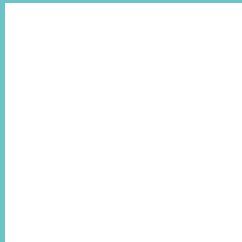
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.6066, 0.2498, 0.3245

Background



This preview shows how black text looks on a background with the Yxy color 46.6066, 0.2498, 0.3245.

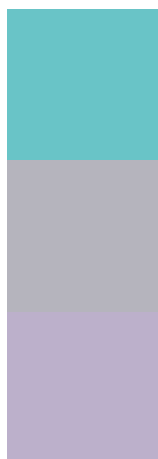


This preview shows how white text looks on a background with the Yxy color 46.6066, 0.2498, 0.3245.

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

46.6066, 0.2498, 0.3245

Protanopia

46.1404, 0.3065, 0.3173

Deuteranopia

46.0538, 0.3015, 0.2952



Tritanopia

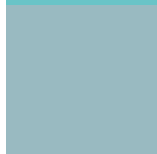
46.4879, 0.2454, 0.3064

Trichromacy



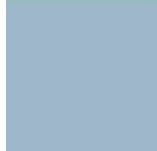
Original Color

46.6066, 0.2498, 0.3245



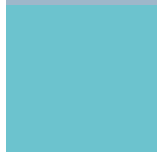
Protanomaly

45.7404, 0.2815, 0.3194



Deuteranomaly

45.4003, 0.2788, 0.3036



Tritanomaly

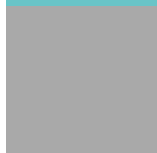
46.6746, 0.2473, 0.3133

Monochromacy



Original Color

46.6066, 0.2498, 0.3245



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

41.6465, 0.2848, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6066, 0.2498, 0.3245 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(105, 196, 199)` looks like.

```
.text, #text, p{  
    color:rgb(105, 196, 199)  
}
```

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(105, 196, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 196, 199) }
```

Border

The CSS property to change the border of an element to Yxy 46.6066, 0.2498, 0.3245 is called "border". The border property can be set on classes, ids or directly on the HTML element.

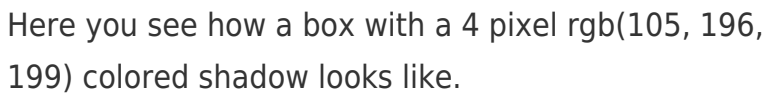
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 196, 199) }
```

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

```
.border{ border-color:rgb(105, 196, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 196, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 196, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 196, 199); box-shadow:4px 4px 4px 4px rgb(105, 196, 199) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6066, 0.2498, 0.3245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 196, 199) }
```

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

```
.background{ background-color: rgb(105,  
196, 199) }
```

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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