

Converting Colors

$Yxy(45.8345, 0.2534, 0.3301)$

Have a look what the booklet for
Yxy(45.8345, 0.2534, 0.3301)
contains.

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Color

Yxy(46.0511, 0.2533, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	6BC3C2
RGB	107, 195, 194
RGB Percent	42%, 76%, 76%
CMY	0.5803, 0.2353, 0.2393
CMYK	0.45, 0.00, 0.01, 0.24
HSL	179°, 42%, 59%
HSV	179°, 45%, 76%
XYZ	35.3156, 46.0511, 58.0553
YIQ	168.5740, -52.1270, -18.9670

Conversions

Conversions Part 2

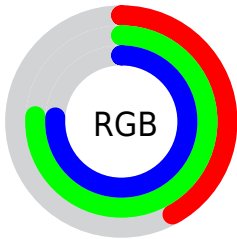
Format	Color
RYB	107, 151, 195
Decimal	7062466
CIELab	73.58, -26.66, -7.73
CIElCh	74, 27.757, 196.173
Yxy	46.0511, 0.2533, 0.3303
Android (android.graphics.Color)	4285252546 (0xFF6BC3C2)
YUV	168.5740, 12.5350, -54.0004
Hunter-Lab	67.8610, -25.8633, -3.2202

Details

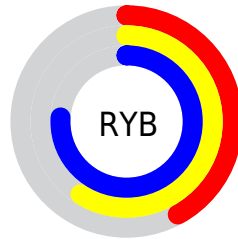
The Yxy color **46.0511, 0.2533, 0.3303** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.2050, 0.4307, 0.3280**, and the grayscale version is **39.4134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4154, 0.2642, 0.3311**, and **21.5716, 0.2374, 0.3308** is the 20% darker color. If you saturate the color by 10%, you get **44.9671, 0.2442, 0.3306**, and if you desaturate by 10%, it is **47.4113, 0.2642, 0.3300**.

Distribution



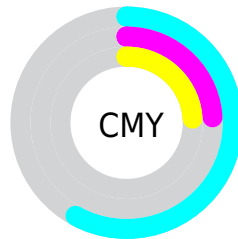
- Red (42%)
- Green (76%)
- Blue (76%)



- Red (42%)
- Yellow (59%)
- Blue (76%)



- Cyan (45%)
- Magenta (0%)
- Yellow (1%)
- Black (24%)





- Cyan (58%)
- Magenta (24%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0511, 0.2533, 0.3303 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 46.0511, 0.2533, 0.3303 by changing the saturation by 10% instead.


 46.0511, 0.2533,
0.3303


 46.0511, 0.2533,
0.3303


371.0141, 0.2826,
0.3302


 32.2861, 0.2462,
0.3301


 84.2955, 0.2638,
0.3304


 21.5802, 0.2371,
0.3298


 109.5437, 0.2678,
0.3304

 13.5487, 0.2252,
0.3292


 139.3884, 0.2712,
0.3304

 7.8075, 0.2090,
0.3280

 174.2141, 0.2741,
0.3304

 3.9720, 0.1858,
0.3254

214.4051, 0.2766,
0.3303

 1.6579, 0.1498,
0.3193

260.3458, 0.2788,

 0.3962, 0.0000,

0.3303

0.2896

312.4207, 0.2808,
0.3303

0.0000, 0.0000,
0.0000

46.0511, 0.2533,
0.3303

46.0511, 0.2533,
0.3303

44.9671, 0.2442,
0.3306

47.4113, 0.2642,
0.3300

44.1353, 0.2369,
0.3310

49.0590, 0.2766,
0.3297

43.5366, 0.2315,
0.3314


51.0116, 0.2903,
0.3294

43.1470, 0.2280,
0.3317

53.2834, 0.3049,
0.3291

42.9368, 0.2262,
0.3321

55.8878, 0.3203,
0.3289

 42.8705, 0.2256,
0.3323

 58.8376, 0.3360,
0.3287

 62.1448, 0.3519,
0.3285

 64.2679, 0.3612,
0.3283

 64.2782, 0.3610,
0.3281

Harmonies

Analogous

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



46.0511, 0.2813, 0.3677



46.0511, 0.2533, 0.3303



46.0511, 0.2409, 0.2954

Triad

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



46.0511, 0.2533, 0.3303



46.0511, 0.3027, 0.2737



46.0511, 0.3829, 0.3827

Complementary

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



46.0511, 0.2533, 0.3303



23.2050, 0.4307, 0.3280

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.



46.0511, 0.3903, 0.3549



46.0511, 0.2533, 0.3303



46.0511, 0.3424, 0.2942

Square

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



46.0511, 0.2533, 0.3303



46.0511, 0.2680, 0.2657



46.0511, 0.3752, 0.3231



46.0511, 0.3562, 0.3982

Rectangle

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



46.0511, 0.2533, 0.3303



46.0511, 0.2424, 0.2786



46.0511, 0.3752, 0.3231



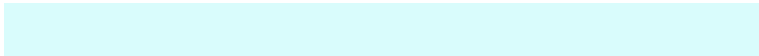
46.0511, 0.3878, 0.3744

Sweetspot

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



46.0529, 0.2533, 0.3303



91.7027, 0.2915, 0.3294



43.3122, 0.3072, 0.4682



19.9005, 0.2884, 0.3294



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.



46.0529, 0.2533, 0.3303



80.5822, 0.2444, 0.3306



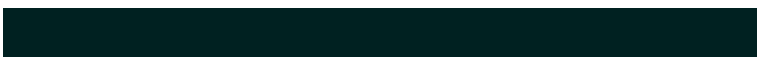
29.6786, 0.2413, 0.2630



11.4264, 0.2986, 0.3292



27.8634, 0.2256, 0.3322



1.2046, 0.2254, 0.3314

Inverse Universe

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



23.2050, 0.4307, 0.3280



34.6007, 0.4721, 0.3279



34.3318, 0.4046, 0.3859



10.0797, 0.3287, 0.3288



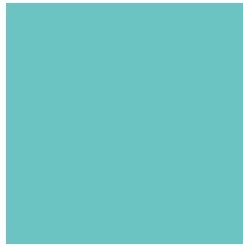
7.5448, 0.6386, 0.3292



0.3267, 0.6332, 0.3262

Previews

White Background



This preview shows how the Yxy color 46.0511, 0.2533, 0.3303 looks on a white background.

Color Contrast Check

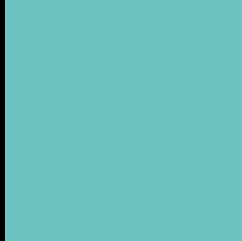
Large Text (above 18pt) WCAG AA × Fail

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 46.0511, 0.2533, 0.3303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

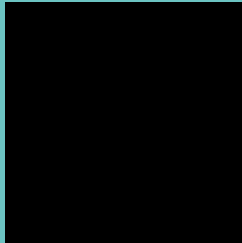
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

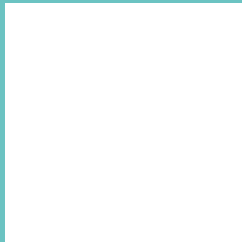
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.0511, 0.2533, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 46.0511, 0.2533, 0.3303.

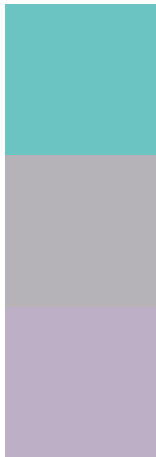


This preview shows how white text looks on a background with the Yxy color 46.0511, 0.2533, 0.3303.

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

46.0511, 0.2533, 0.3303

Protanopia

45.6460, 0.3113, 0.3225

Deuteranopia

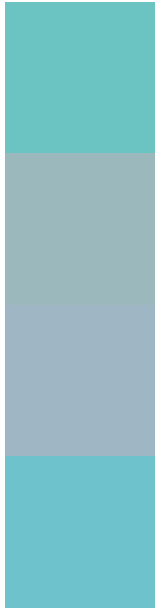
45.5560, 0.3063, 0.3000



Tritanopia

46.0735, 0.2472, 0.3078

Trichromacy



Original Color

46.0511, 0.2533, 0.3303

Protanomaly

45.2973, 0.2864, 0.3248

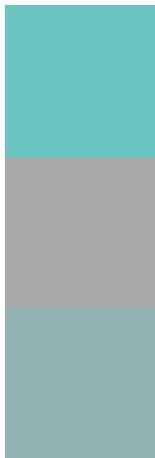
Deuteranomaly

44.8580, 0.2829, 0.3088

Tritanomaly

46.2104, 0.2497, 0.3161

Monochromacy



Original Color

46.0511, 0.2533, 0.3303

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.1661, 0.2861, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0511, 0.2533, 0.3303 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(107, 195, 194)` looks like.

```
.text, #text, p{  
    color:rgb(107, 195, 194)  
}
```

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(107, 195, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 195, 194) }
```

Border

The CSS property to change the border of an element to Yxy 46.0511, 0.2533, 0.3303 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(107, 195, 194) }
```

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

```
.border{ border-color:rgb(107, 195, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 195, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 195, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 195, 194);  
box-shadow:4px 4px 4px 4px rgb(107, 195,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0511, 0.2533, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 195, 194) }
```

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

```
.background{ background-color: rgb(107,  
195, 194) }
```

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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