

Converting Colors

$Yxy(46.6287, 0.2630, 0.3210)$

Have a look what the booklet for
Yxy(46.6287, 0.2630, 0.3210)
contains.

Yxy(46.4436, 0.2629, 0.3205)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.4436, 0.2629, 0.3205)

Conversions

Conversions Part 1

Format	Color
Hex	81C0C6
RGB	129, 192, 198
RGB Percent	51%, 75%, 78%
CMY	0.4940, 0.2471, 0.2236
CMYK	0.35, 0.03, 0.00, 0.22
HSL	185°, 38%, 64%
HSV	185°, 35%, 78%
XYZ	38.0968, 46.4436, 60.3694
YIQ	173.8470, -39.4740, -11.4900

Conversions

Conversions Part 2

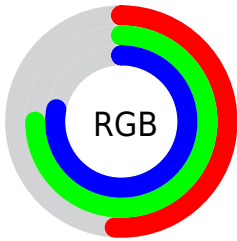
Format	Color
RYB	129, 162, 198
Decimal	8503494
CIELab	73.83, -18.55, -9.42
CIELCh	74, 20.809, 206.919
Yxy	46.4436, 0.2629, 0.3205
Android (android.graphics.Color)	4286693574 (0xFF81C0C6)
YUV	173.8470, 11.9074, -39.3308
Hunter-Lab	68.1495, -19.4771, -4.8166

Details

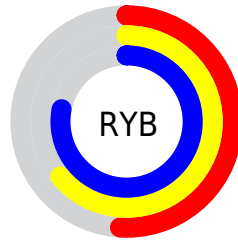
The Yxy color **46.4436, 0.2629, 0.3205** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.9186, 0.3917, 0.3372**, and the grayscale version is **42.2010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1617, 0.2714, 0.3224**, and **21.7271, 0.2496, 0.3171** is the 20% darker color. If you saturate the color by 10%, you get **44.2925, 0.2511, 0.3177**, and if you desaturate by 10%, it is **48.9076, 0.2761, 0.3232**.

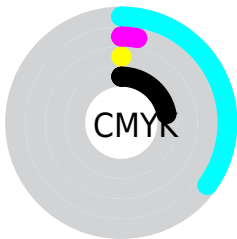
Distribution



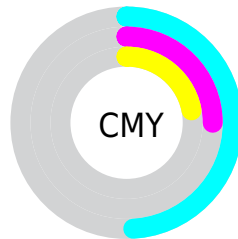
- Red (51%)
- Green (75%)
- Blue (78%)



- Red (51%)
- Yellow (64%)
- Blue (78%)



- Cyan (35%)
- Magenta (3%)
- Yellow (0%)
- Black (22%)





- Cyan (49%)
- Magenta (25%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4436, 0.2629, 0.3205 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 46.4436, 0.2629, 0.3205 by changing the saturation by 10% instead.


 46.4436, 0.2629,
0.3205


 46.4436, 0.2629,
0.3205

372.5892, 0.2874,
0.3252


 32.5960, 0.2569,
0.3192


 84.8825, 0.2717,
0.3223

 21.8171, 0.2493,
0.3174


 110.2426, 0.2751,
0.3230

 13.7226, 0.2393,
0.3150


 140.2090, 0.2779,
0.3235

 7.9280, 0.2256,
0.3113

175.1661, 0.2803,
0.3240

 4.0489, 0.2059,
0.3053

215.4982, 0.2825,
0.3243

 1.7010, 0.1752,
0.2942

261.5899, 0.2843,

 0.4243, 0.0000,

0.3247

0.2731

313.8254, 0.2860,
0.3250

0.0000, 0.0000,
0.0000

46.4436, 0.2629,
0.3205

46.4436, 0.2629,
0.3205

44.2925, 0.2511,
0.3177

48.9076, 0.2761,
0.3232

42.4313, 0.2408,
0.3148

51.6949, 0.2903,
0.3257

40.8425, 0.2323,
0.3119

54.8224, 0.3053,
0.3280

39.5047, 0.2258,
0.3089

58.3040, 0.3207,
0.3301

38.3928, 0.2211,
0.3059

62.1528, 0.3364,
0.3320

■ 37.4763, 0.2182,
0.3030

■ 66.3813, 0.3520,
0.3337

■ 37.0485, 0.2171,
0.3015

■ 68.5300, 0.3574,
0.3354

■ 69.3506, 0.3570,
0.3371

■ 70.1803, 0.3566,
0.3389

Harmonies

Analogous

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



46.4436, 0.2806, 0.3483



46.4436, 0.2629, 0.3205



46.4436, 0.2580, 0.2968

Triad

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



46.4436, 0.2629, 0.3205



46.4436, 0.3161, 0.2915



46.4436, 0.3597, 0.3752

Complementary

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



46.4436, 0.2629, 0.3205



30.9186, 0.3917, 0.3372

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.



46.4436, 0.3705, 0.3575



46.4436, 0.2629, 0.3205



46.4436, 0.3448, 0.3101

Square

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



46.4436, 0.2629, 0.3205



46.4436, 0.2877, 0.2817



46.4436, 0.3651, 0.3338



46.4436, 0.3363, 0.3809

Rectangle

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



46.4436, 0.2629, 0.3205



46.4436, 0.2625, 0.2865



46.4436, 0.3651, 0.3338



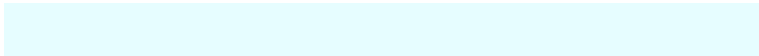
46.4436, 0.3650, 0.3703

Sweetspot

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



46.4454, 0.2629, 0.3205



94.0778, 0.2972, 0.3268



46.7910, 0.3041, 0.4235



19.9694, 0.2951, 0.3264



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.



46.4454, 0.2629, 0.3205



79.2444, 0.2535, 0.3183



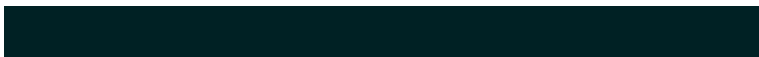
33.1169, 0.2562, 0.2699



11.9042, 0.2984, 0.3269



24.1623, 0.2172, 0.3019



1.1914, 0.2189, 0.3080

Inverse Universe

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



31.5169, 0.3227, 0.2502



49.0447, 0.3253, 0.2332



42.0577, 0.3763, 0.3815



10.8002, 0.3151, 0.3082



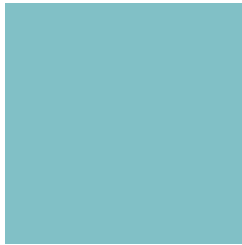
9.9792, 0.3438, 0.1667



0.4773, 0.3385, 0.1638

Previews

White Background



This preview shows how the Yxy color 46.4436, 0.2629, 0.3205 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 46.4436, 0.2629, 0.3205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

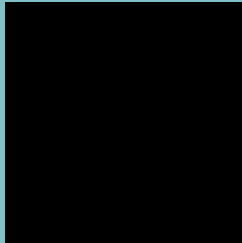
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.4436, 0.2629, 0.3205

Background



This preview shows how black text looks on a background with the Yxy color 46.4436, 0.2629, 0.3205.



This preview shows how white text looks on a background with the Yxy color 46.4436, 0.2629, 0.3205.

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

46.4436, 0.2629, 0.3205

Protanopia

46.1840, 0.3057, 0.3160

Deuteranopia

46.0865, 0.3039, 0.2977



Tritanopia

46.5431, 0.2592, 0.3083

Trichromacy



Original Color

46.4436, 0.2629, 0.3205

Protanomaly

45.8126, 0.2882, 0.3169

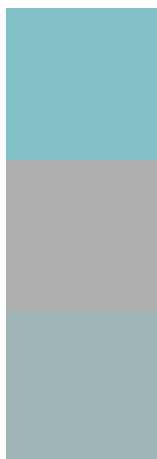
Deuteranomaly

45.8415, 0.2870, 0.3053

Tritanomaly

46.3192, 0.2603, 0.3122

Monochromacy



Original Color

46.4436, 0.2629, 0.3205

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.7357, 0.2921, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4436, 0.2629, 0.3205 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(129, 192, 198)` looks like.

```
.text, #text, p{  
    color:rgb(129, 192, 198)  
}
```

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(129, 192, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 192, 198) }
```

Border

The CSS property to change the border of an element to Yxy 46.4436, 0.2629, 0.3205 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(129, 192, 198) }
```

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

```
.border{ border-color:rgb(129, 192, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 192, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 192, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 192, 198); box-shadow:4px 4px 4px 4px rgb(129, 192, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4436, 0.2629, 0.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 192, 198) }
```

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

```
.background{ background-color: rgb(129,  
192, 198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor