

Converting Colors

$Yxy(46.6461, 0.2614, 0.3570)$

Have a look what the booklet for
Yxy(46.6461, 0.2614, 0.3570)
contains.

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Color

Yxy(46.6461, 0.2614, 0.3570)

Conversions

Conversions Part 1

Format	Color
Hex	69C6B3
RGB	105, 198, 179
RGB Percent	41%, 78%, 70%
CMY	0.5884, 0.2235, 0.2980
CMYK	0.47, 0.00, 0.10, 0.22
HSL	168°, 45%, 59%
HSV	168°, 47%, 78%
XYZ	34.1549, 46.6461, 49.8604
YIQ	168.0270, -49.3290, -25.6250

Conversions

Conversions Part 2

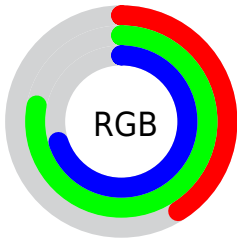
Format	Color
RYB	105, 157, 198
Decimal	6932147
CIELab	73.96, -32.30, 0.95
CIELCh	74, 32.311, 178.312
Yxy	46.6461, 0.2614, 0.3570
Android (android.graphics.Color)	4285122227 (0xFF69C6B3)
YUV	168.0270, 5.4097, -55.2747
Hunter-Lab	68.2980, -30.2560, 4.5244

Details

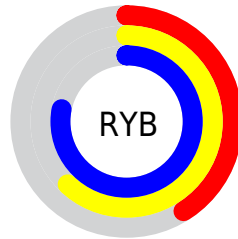
The Yxy color **46.6461, 0.2614, 0.3570** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.5576, 0.4128, 0.3042**, and the grayscale version is **39.1607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0952, 0.2703, 0.3515**, and **22.0337, 0.2473, 0.3666** is the 20% darker color. If you saturate the color by 10%, you get **45.4246, 0.2540, 0.3641**, and if you desaturate by 10%, it is **48.1552, 0.2704, 0.3502**.

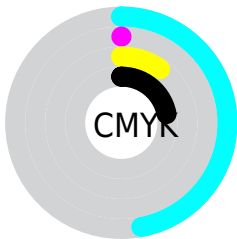
Distribution



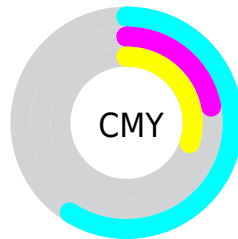
- Red (41%)
- Green (78%)
- Blue (70%)



- Red (41%)
- Yellow (62%)
- Blue (78%)



- Cyan (47%)
- Magenta (0%)
- Yellow (10%)
- Black (22%)





- Cyan (59%)
- Magenta (22%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6461, 0.2614, 0.3570 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 46.6461, 0.2614, 0.3570 by changing the saturation by 10% instead.


 46.6461, 0.2614,
0.3570

 46.6461, 0.2614,
0.3570


373.4001, 0.2870,
0.3430


 32.7560, 0.2551,
0.3605


 85.1851, 0.2707,
0.3519


 21.9396, 0.2470,
0.3650


 110.6028, 0.2741,
0.3500

 13.8125, 0.2362,
0.3709


 140.6318, 0.2771,
0.3484

 7.9904, 0.2214,
0.3792

 175.6565, 0.2796,
0.3470

 4.0888, 0.1996,
0.3915

216.0613, 0.2818,
0.3458

 1.7234, 0.1629,
0.4124

262.2305, 0.2838,

 0.4387, 0.0000,

0.3447

0.5162

314.5487, 0.2855,
0.3438

0.0000, 0.0000,
0.0000

46.6461, 0.2614,
0.3570

46.6461, 0.2614,
0.3570

45.4246, 0.2540,
0.3641

48.1552, 0.2704,
0.3502

44.4654, 0.2484,
0.3714

49.9641, 0.2806,
0.3439

43.7481, 0.2448,
0.3788


52.0910, 0.2919,
0.3379

43.2468, 0.2431,
0.3863


54.5511, 0.3040,
0.3325

42.9264, 0.2431,
0.3937

57.3585, 0.3165,
0.3276

 42.8459, 0.2433,
0.3959

 60.5266, 0.3293,
0.3232

 64.0680, 0.3421,
0.3192

 66.3717, 0.3481,
0.3154

 66.5774, 0.3449,
0.3113

Harmonies

Analogous

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



46.6461, 0.3011, 0.3950



46.6461, 0.2614, 0.3570



46.6461, 0.2363, 0.3124

Triad

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



46.6461, 0.2614, 0.3570



46.6461, 0.2757, 0.2583



46.6461, 0.4022, 0.3721

Complementary

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



46.6461, 0.2614, 0.3570



23.5576, 0.4128, 0.3042

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.



46.6461, 0.3954, 0.3364



46.6461, 0.2614, 0.3570



46.6461, 0.3195, 0.2737

Square

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



46.6461, 0.2614, 0.3570



46.6461, 0.2442, 0.2588



46.6461, 0.3642, 0.3015



46.6461, 0.3833, 0.4003

Rectangle

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



46.6461, 0.2614, 0.3570



46.6461, 0.2301, 0.2873



46.6461, 0.3642, 0.3015



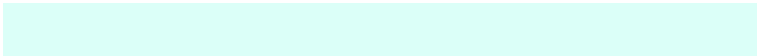
46.6461, 0.4030, 0.3606

Sweetspot

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



46.6479, 0.2614, 0.3570



93.3862, 0.2952, 0.3364



45.7800, 0.3200, 0.4693



19.7937, 0.2926, 0.3376



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.



46.6479, 0.2614, 0.3570



80.4610, 0.2541, 0.3640



36.4493, 0.2437, 0.2893



12.0290, 0.3011, 0.3338



27.8743, 0.2430, 0.3949



1.3295, 0.2388, 0.3795

Inverse Universe

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



23.5576, 0.4128, 0.3042



34.8259, 0.4472, 0.3001



29.3472, 0.4220, 0.3642



10.6718, 0.3258, 0.3243



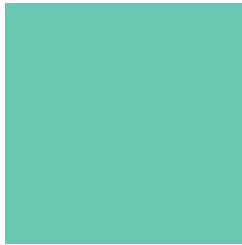
7.9192, 0.6044, 0.3103



0.3857, 0.5460, 0.2782

Previews

White Background



This preview shows how the Yxy color 46.6461, 0.2614, 0.3570 looks on a white background.

Color Contrast Check

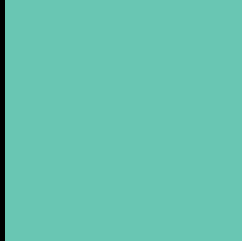
Large Text (above 18pt) WCAG AA × Fail

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 46.6461, 0.2614, 0.3570 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

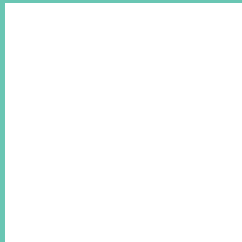
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.6461, 0.2614, 0.3570

Background



This preview shows how black text looks on a background with the Yxy color 46.6461, 0.2614, 0.3570.

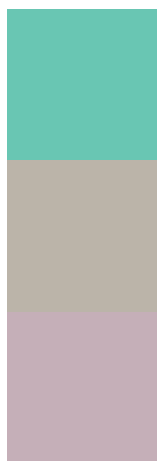


This preview shows how white text looks on a background with the Yxy color 46.6461, 0.2614, 0.3570.

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

46.6461, 0.2614, 0.3570

Protanopia

46.0719, 0.3278, 0.3434

Deuteranopia

45.9910, 0.3248, 0.3177



Tritanopia

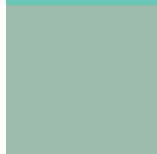
46.7644, 0.2485, 0.3079

Trichromacy



Original Color

46.6461, 0.2614, 0.3570



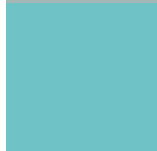
Protanomaly

45.7259, 0.2988, 0.3484



Deuteranomaly

45.1369, 0.2978, 0.3303



Tritanomaly

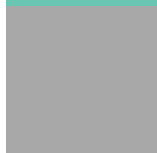
46.4869, 0.2532, 0.3245

Monochromacy



Original Color

46.6461, 0.2614, 0.3570



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

41.2385, 0.2898, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6461, 0.2614, 0.3570 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, 198, 179)` looks like.

```
.text, #text, p{  
    color:rgb(105, 198, 179)  
}
```

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, 198, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 198, 179) }
```

Border

The CSS property to change the border of an element to Yxy 46.6461, 0.2614, 0.3570 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, 198, 179) }
```

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

```
.border{ border-color:rgb(105, 198, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 198, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 198, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 198, 179);  
box-shadow:4px 4px 4px 4px rgb(105, 198,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6461, 0.2614, 0.3570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 198, 179) }
```

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

```
.background{ background-color: rgb(105,  
198, 179) }
```

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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