

Converting Colors

$Yxy(48.5320, 0.2671, 0.3583)$

Have a look what the booklet for
Yxy(48.5320, 0.2671, 0.3583)
contains.

Yxy(48.7816, 0.2675, 0.3592)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.7816, 0.2675, 0.3592)

Conversions

Conversions Part 1

Format	Color
Hex	74C9B4
RGB	116, 201, 180
RGB Percent	45%, 79%, 71%
CMY	0.5451, 0.2118, 0.2940
CMYK	0.42, 0.00, 0.10, 0.21
HSL	165°, 44%, 62%
HSV	165°, 42%, 79%
XYZ	36.3282, 48.7816, 50.6965
YIQ	173.1910, -43.9190, -24.5510

Conversions

Conversions Part 2

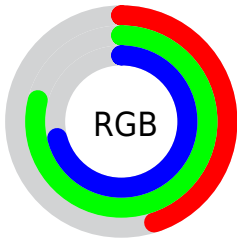
Format	Color
RYB	116, 164, 201
Decimal	7653812
CIELab	75.32, -30.74, 2.43
CIElCh	75, 30.836, 175.486
Yxy	48.7816, 0.2675, 0.3592
Android (android.graphics.Color)	4285843892 (0xFF74C9B4)
YUV	173.1910, 3.3568, -50.1565
Hunter-Lab	69.8438, -29.3827, 5.8548

Details

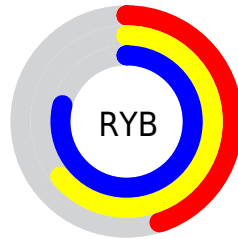
The Yxy color **48.7816, 0.2675, 0.3592** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.7109, 0.3936, 0.3017**, and the grayscale version is **41.8913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3468, 0.2753, 0.3500**, and **23.3604, 0.2551, 0.3695** is the 20% darker color. If you saturate the color by 10%, you get **47.3535, 0.2597, 0.3677**, and if you desaturate by 10%, it is **50.5188, 0.2767, 0.3511**.

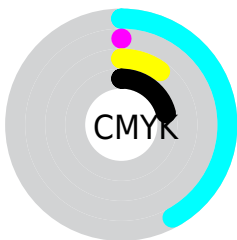
Distribution



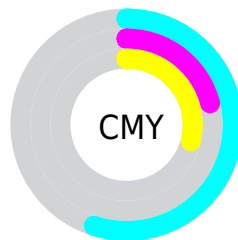
- Red (45%)
- Green (79%)
- Blue (71%)



- Red (45%)
- Yellow (64%)
- Blue (79%)



- Cyan (42%)
- Magenta (0%)
- Yellow (10%)
- Black (21%)





- Cyan (55%)
- Magenta (21%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7816, 0.2675, 0.3592 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 48.7816, 0.2675, 0.3592 by changing the saturation by 10% instead.

 48.7816, 0.2675,
0.3592


 48.7816, 0.2675,
0.3592


381.8819, 0.2899,
0.3441


 34.4463, 0.2620,
0.3630


 88.3670, 0.2756,
0.3537

 23.2366, 0.2549,
0.3678


 114.3858, 0.2787,
0.3516

 14.7683, 0.2455,
0.3743


 145.0680, 0.2813,
0.3499

 8.6570, 0.2326,
0.3834

180.7978, 0.2835,
0.3484

 4.5181, 0.2137,
0.3969

221.9597, 0.2854,
0.3471

 1.9674, 0.1834,
0.4191

268.9381, 0.2871,

 0.5884, 0.0000,

0.3460

0.5554

322.1174, 0.2886,
0.3450

0.0000, 0.0000,
0.0000

48.7816, 0.2675,
0.3592

48.7816, 0.2675,
0.3592

47.3535, 0.2597,
0.3677

50.5188, 0.2767,
0.3511

46.2092, 0.2536,
0.3766

52.5770, 0.2870,
0.3436

45.3289, 0.2494,
0.3857

54.9746, 0.2982,
0.3367


44.6875, 0.2471,
0.3949

57.7267, 0.3100,
0.3304

44.2551, 0.2468,
0.4041

60.8477, 0.3220,
0.3247

 44.0228, 0.2475,
0.4111

 64.3511, 0.3342,
0.3196

 67.9279, 0.3449,
0.3151

 68.1863, 0.3411,
0.3101

 68.4525, 0.3373,
0.3051

Harmonies

Analogous

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



48.7816, 0.3059, 0.3932



48.7816, 0.2675, 0.3592



48.7816, 0.2421, 0.3174

Triad

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



48.7816, 0.2675, 0.3592



48.7816, 0.2745, 0.2615



48.7816, 0.3974, 0.3670

Complementary

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



48.7816, 0.2675, 0.3592



26.7109, 0.3936, 0.3017

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.



48.7816, 0.3885, 0.3330



48.7816, 0.2675, 0.3592



48.7816, 0.3150, 0.2747

Square

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



48.7816, 0.2675, 0.3592



48.7816, 0.2460, 0.2637



48.7816, 0.3576, 0.3002



48.7816, 0.3818, 0.3944

Rectangle

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



48.7816, 0.2675, 0.3592



48.7816, 0.2350, 0.2929



48.7816, 0.3576, 0.3002



48.7816, 0.3972, 0.3560

Sweetspot

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



48.7836, 0.2675, 0.3592



93.7303, 0.2972, 0.3373



48.3743, 0.3220, 0.4529



19.8570, 0.2947, 0.3388



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.



48.7836, 0.2675, 0.3592



81.1995, 0.2601, 0.3672



40.4708, 0.2505, 0.2981



12.0211, 0.3016, 0.3348



27.6940, 0.2472, 0.4098



1.3223, 0.2419, 0.3908

Inverse Universe

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



26.7109, 0.3936, 0.3017



38.3500, 0.4222, 0.2963



31.6387, 0.4089, 0.3572



10.6791, 0.3251, 0.3233



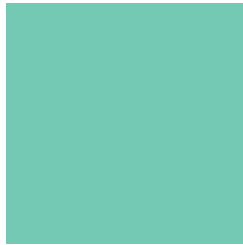
7.9626, 0.5918, 0.3034



0.3890, 0.5308, 0.2698

Previews

White Background



This preview shows how the Yxy color 48.7816, 0.2675, 0.3592 looks on a white background.

Color Contrast Check

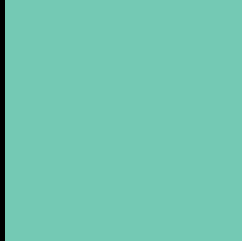
Large Text (above 18pt) WCAG AA × Fail

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 48.7816, 0.2675, 0.3592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

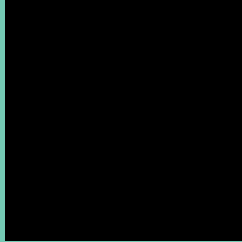
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

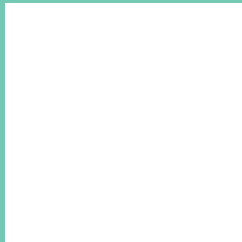
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.7816, 0.2675, 0.3592

Background



This preview shows how black text looks on a background with the Yxy color 48.7816, 0.2675, 0.3592.



This preview shows how white text looks on a background with the Yxy color 48.7816, 0.2675, 0.3592.

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

48.7816, 0.2675, 0.3592

Protanopia

48.2976, 0.3291, 0.3457

Deuteranopia

48.2995, 0.3279, 0.3217



Tritanopia

48.5184, 0.2528, 0.3071

Trichromacy



Original Color

48.7816, 0.2675, 0.3592

Protanomaly

47.7754, 0.3036, 0.3507

Deuteranomaly

47.6175, 0.3027, 0.3343

Tritanomaly

48.6232, 0.2582, 0.3261

Monochromacy



Original Color

48.7816, 0.2675, 0.3592

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.6770, 0.2926, 0.3388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7816, 0.2675, 0.3592 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(116, 201, 180)` looks like.

```
.text, #text, p{  
    color:rgb(116, 201, 180)  
}
```

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(116, 201, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 201, 180) }
```

Border

The CSS property to change the border of an element to Yxy 48.7816, 0.2675, 0.3592 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(116, 201, 180) }
```

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

```
.border{ border-color:rgb(116, 201, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 201, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 201, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 201, 180);  
box-shadow:4px 4px 4px 4px rgb(116, 201,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7816, 0.2675, 0.3592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 201, 180) }
```

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

```
.background{ background-color: rgb(116,  
201, 180) }
```

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