

Converting Colors

$Yxy(45.5748, 0.2748, 0.3646)$

Have a look what the booklet for
Yxy(45.5748, 0.2748, 0.3646)
contains.

Yxy(45.4789, 0.2748, 0.3645)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.4789, 0.2748, 0.3645)

Conversions

Conversions Part 1

Format	Color
Hex	78C2AA
RGB	120, 194, 170
RGB Percent	47%, 76%, 67%
CMY	0.5297, 0.2392, 0.3333
CMYK	0.38, 0.00, 0.12, 0.24
HSL	161°, 38%, 62%
HSV	161°, 38%, 76%
XYZ	34.2870, 45.4789, 45.0048
YIQ	169.1380, -36.4000, -23.1520

Conversions

Conversions Part 2

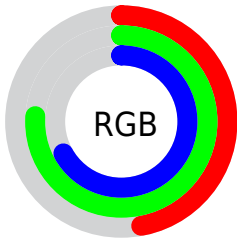
Format	Color
RYB	120, 164, 194
Decimal	7914154
CIELab	73.21, -28.58, 4.82
CIELCh	73, 28.981, 170.420
Yxy	45.4789, 0.2748, 0.3645
Android (android.graphics.Color)	4286104234 (0xFF78C2AA)
YUV	169.1380, 0.4250, -43.0940
Hunter-Lab	67.4380, -27.2633, 7.6395

Details

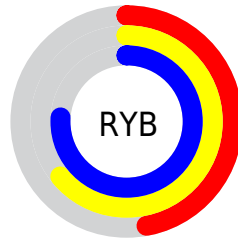
The Yxy color **45.4789, 0.2748, 0.3645** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.9007, 0.3749, 0.2967**, and the grayscale version is **39.7536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5446, 0.2820, 0.3582**, and **21.2575, 0.2640, 0.3751** is the 20% darker color. If you saturate the color by 10%, you get **43.9998, 0.2671, 0.3757**, and if you desaturate by 10%, it is **47.2540, 0.2837, 0.3540**.

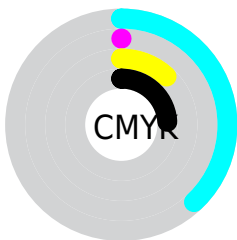
Distribution



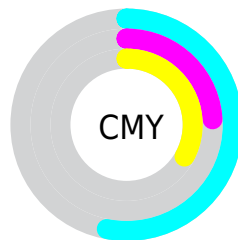
- Red (47%)
- Green (76%)
- Blue (67%)



- Red (47%)
- Yellow (64%)
- Blue (76%)



- Cyan (38%)
- Magenta (0%)
- Yellow (12%)
- Black (24%)





- Cyan (53%)
- Magenta (24%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4789, 0.2748, 0.3645 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 45.4789, 0.2748, 0.3645 by changing the saturation by 10% instead.


 45.4789, 0.2748,
0.3645


 45.4789, 0.2748,
0.3645


368.7097, 0.2940,
0.3463


 31.8348, 0.2699,
0.3692


 83.4386, 0.2818,
0.3578

 21.2354, 0.2637,
0.3753


 108.5230, 0.2844,
0.3553

 13.2961, 0.2553,
0.3835


 138.1896, 0.2866,
0.3532

 7.6328, 0.2434,
0.3954

172.8228, 0.2885,
0.3514

 3.8609, 0.2256,
0.4137

212.8070, 0.2902,
0.3499

 1.5961, 0.1937,
0.4467

258.5266, 0.2916,

 0.3549, 0.0000,

0.3485

0.8781

310.3661, 0.2929,
0.3474

0.0000, 0.0000,
0.0000

45.4789, 0.2748,
0.3645

45.4789, 0.2748,
0.3645

43.9998, 0.2671,
0.3757

47.2540, 0.2837,
0.3540

42.7940, 0.2610,
0.3875

49.3355, 0.2935,
0.3444

41.8442, 0.2565,
0.3996


51.7397, 0.3039,
0.3356

41.1289, 0.2541,
0.4120


54.4805, 0.3147,
0.3276

40.6225, 0.2536,
0.4244


57.5706, 0.3256,
0.3205

 40.2861, 0.2549,
0.4366

 61.0224, 0.3365,
0.3142

 40.2321, 0.2552,
0.4388

 64.7056, 0.3466,
0.3086

 65.0331, 0.3416,
0.3023

 65.3732, 0.3367,
0.2961

Harmonies

Analogous

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



45.4789, 0.3132, 0.3943



45.4789, 0.2748, 0.3645



45.4789, 0.2476, 0.3246

Triad

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



45.4789, 0.2748, 0.3645



45.4789, 0.2703, 0.2631



45.4789, 0.3944, 0.3605

Complementary

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



45.4789, 0.2748, 0.3645



26.9007, 0.3749, 0.2967

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.



45.4789, 0.3819, 0.3274



45.4789, 0.2748, 0.3645



45.4789, 0.3080, 0.2735

Square

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



45.4789, 0.2748, 0.3645



45.4789, 0.2453, 0.2680



45.4789, 0.3494, 0.2965



45.4789, 0.3833, 0.3884

Rectangle

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



45.4789, 0.2748, 0.3645



45.4789, 0.2387, 0.2999



45.4789, 0.3494, 0.2965



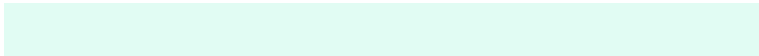
45.4789, 0.3929, 0.3496

Sweetspot

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



45.4807, 0.2748, 0.3645



92.3584, 0.3007, 0.3381



45.9302, 0.3265, 0.4373



20.0912, 0.2993, 0.3393



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.



45.4807, 0.2748, 0.3645



80.0621, 0.2682, 0.3740



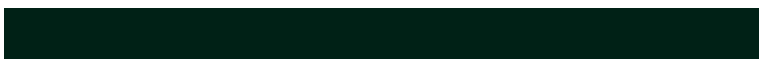
41.2040, 0.2576, 0.3109



11.3711, 0.3027, 0.3366



26.4629, 0.2548, 0.4372



1.1556, 0.2472, 0.4100

Inverse Universe

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



26.9007, 0.3749, 0.2967



41.5332, 0.3961, 0.2897



29.4050, 0.3993, 0.3461



10.1305, 0.3239, 0.3216



7.7892, 0.5649, 0.2886



0.3494, 0.5006, 0.2531

Previews

White Background



This preview shows how the Yxy color 45.4789, 0.2748, 0.3645 looks on a white background.

Color Contrast Check

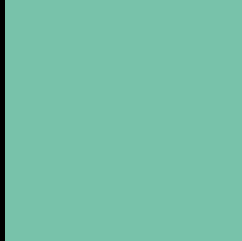
Large Text (above 18pt) WCAG AA × Fail

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 45.4789, 0.2748, 0.3645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

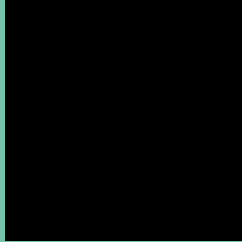
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.4789, 0.2748, 0.3645

Background



This preview shows how black text looks on a background with the Yxy color 45.4789, 0.2748, 0.3645.



This preview shows how white text looks on a background with the Yxy color 45.4789, 0.2748, 0.3645.

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

45.4789, 0.2748, 0.3645

Protanopia

44.8885, 0.3331, 0.3502

Deuteranopia

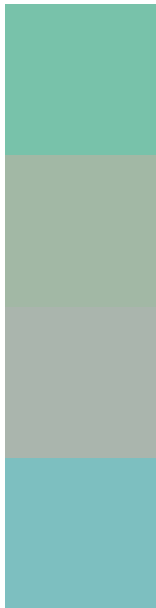
44.9489, 0.3345, 0.3278



Tritanopia

45.3440, 0.2581, 0.3080

Trichromacy



Original Color

45.4789, 0.2748, 0.3645

Protanomaly

44.6790, 0.3090, 0.3555

Deuteranomaly

44.6109, 0.3096, 0.3399

Tritanomaly

45.4273, 0.2638, 0.3274

Monochromacy



Original Color

45.4789, 0.2748, 0.3645

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.2847, 0.2969, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4789, 0.2748, 0.3645 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(120, 194, 170)` looks like.

```
.text, #text, p{  
    color:rgb(120, 194, 170)  
}
```

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(120, 194, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 194, 170) }
```

Border

The CSS property to change the border of an element to Yxy 45.4789, 0.2748, 0.3645 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(120, 194, 170) }
```

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

```
.border{ border-color:rgb(120, 194, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 194, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 194, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 194, 170);  
box-shadow:4px 4px 4px 4px rgb(120, 194,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4789, 0.2748, 0.3645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 194, 170) }
```

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

```
.background{ background-color: rgb(120,  
194, 170) }
```

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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