

Converting Colors

$Yxy(45.3976, 0.2788, 0.3948)$

Have a look what the booklet for
Yxy(45.3976, 0.2788, 0.3948)
contains.

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Color

Yxy(45.5168, 0.2785, 0.3948)

Conversions

Conversions Part 1

Format	Color
Hex	6DC59A
RGB	109, 197, 154
RGB Percent	43%, 77%, 60%
CMY	0.5724, 0.2275, 0.3961
CMYK	0.45, 0.00, 0.22, 0.23
HSL	151°, 43%, 60%
HSV	151°, 45%, 77%
XYZ	32.1085, 45.5168, 37.6655
YIQ	165.7860, -38.6450, -32.0290

Conversions

Conversions Part 2

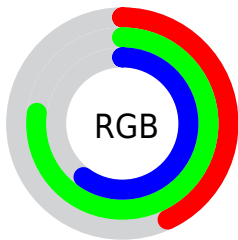
Format	Color
RYB	109, 167, 197
Decimal	7194010
CIELab	73.23, -36.39, 13.45
CIElCh	73, 38.794, 159.715
Yxy	45.5168, 0.2785, 0.3948
Android (android.graphics.Color)	4285384090 (0xFF6DC59A)
YUV	165.7860, -5.8105, -49.8013
Hunter-Lab	67.4661, -33.1140, 14.1254

Details

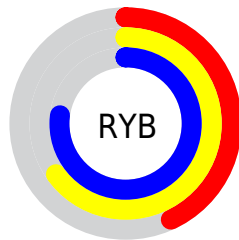
The Yxy color **45.5168, 0.2785, 0.3948** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **25.0824, 0.3714, 0.2726**, and the grayscale version is **38.0714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4370, 0.2856, 0.3823**, and **21.3811, 0.2675, 0.4163** is the 20% darker color. If you saturate the color by 10%, you get **44.0976, 0.2733, 0.4129**, and if you desaturate by 10%, it is **47.2454, 0.2850, 0.3777**.

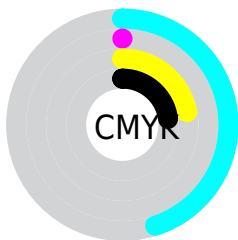
Distribution



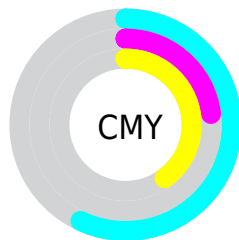
- Red (43%)
- Green (77%)
- Blue (60%)



- Red (43%)
- Yellow (65%)
- Blue (77%)



- Cyan (45%)
- Magenta (0%)
- Yellow (22%)
- Black (23%)




- Cyan (57%)
- Magenta (23%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5168, 0.2785, 0.3948 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 45.5168, 0.2785, 0.3948 by changing the saturation by 10% instead.

 45.5168, 0.2785,
0.3948


 45.5168, 0.2785,
0.3948


368.8626, 0.2963,
0.3603

 31.8647, 0.2738,
0.4039


 83.4954, 0.2852,
0.3819


 21.2582, 0.2676,
0.4159


 108.5906, 0.2876,
0.3772

 13.3128, 0.2592,
0.4325


 138.2691, 0.2897,
0.3732

 7.6443, 0.2469,
0.4567

 172.9151, 0.2914,
0.3699

 3.8682, 0.2275,
0.4952

212.9130, 0.2929,
0.3670

 1.6001, 0.1827,
0.5800

258.6473, 0.2942,

 0.3577, 0.0000,

0.3645

1.0000

310.5024, 0.2953,
0.3623

0.0000, 0.0000,
0.0000

45.5168, 0.2785,
0.3948

45.5168, 0.2785,
0.3948

44.0976, 0.2733,
0.4129

47.2454, 0.2850,
0.3777

42.9628, 0.2696,
0.4318

49.2957, 0.2924,
0.3619

42.0922, 0.2677,
0.4510


51.6859, 0.3004,
0.3475

41.4608, 0.2679,
0.4700

54.4311, 0.3088,
0.3346

41.0378, 0.2700,
0.4882


57.5457, 0.3173,
0.3230

 40.8661, 0.2716,
0.4977

 61.0431, 0.3257,
0.3127

 64.9361, 0.3340,
0.3037

 66.9637, 0.3330,
0.2948

 67.5230, 0.3257,
0.2855

Harmonies

Analogous

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



45.5168, 0.3314, 0.4258



45.5168, 0.2785, 0.3948



45.5168, 0.2371, 0.3415

Triad

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



45.5168, 0.2785, 0.3948



45.5168, 0.2427, 0.2428



45.5168, 0.4199, 0.3531

Complementary

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



45.5168, 0.2785, 0.3948



25.0824, 0.3714, 0.2726

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.



45.5168, 0.3924, 0.3107



45.5168, 0.2785, 0.3948



45.5168, 0.2866, 0.2500

Square

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



45.5168, 0.2785, 0.3948



45.5168, 0.2183, 0.2556



45.5168, 0.3418, 0.2742



45.5168, 0.4151, 0.3940

Rectangle

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



45.5168, 0.2785, 0.3948



45.5168, 0.2206, 0.3056



45.5168, 0.3418, 0.2742



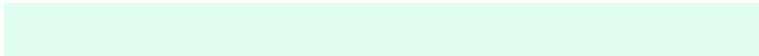
45.5168, 0.4142, 0.3387

Sweetspot

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



45.5187, 0.2785, 0.3948



93.2459, 0.3016, 0.3456



47.8109, 0.3400, 0.4532



19.7371, 0.2998, 0.3486



0.0000, 0.0000, 0.0000



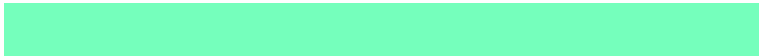
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.5187, 0.2785, 0.3948



78.9404, 0.2732, 0.4133



47.2167, 0.2532, 0.3288



11.9769, 0.3048, 0.3405



26.8967, 0.2709, 0.4954



1.2882, 0.2605, 0.4577

Inverse Universe

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



25.0824, 0.3714, 0.2726



37.5388, 0.3917, 0.2610



23.9193, 0.4304, 0.3293



10.7219, 0.3214, 0.3178



8.3834, 0.4987, 0.2521



0.4116, 0.4519, 0.2263

Previews

White Background



This preview shows how the Yxy color 45.5168, 0.2785, 0.3948 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 45.5168, 0.2785, 0.3948 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 45.5168, 0.2785, 0.3948

Background



This preview shows how black text looks on a background with the Yxy color 45.5168, 0.2785, 0.3948.



This preview shows how white text looks on a background with the Yxy color 45.5168, 0.2785, 0.3948.

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

45.5168, 0.2785, 0.3948

Protanopia

44.8323, 0.3513, 0.3726

Deuteranopia

44.7048, 0.3528, 0.3456



Tritanopia

45.3723, 0.2542, 0.3079

Trichromacy



Original Color

45.5168, 0.2785, 0.3948



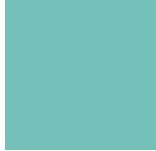
Protanomaly

44.4131, 0.3212, 0.3815



Deuteranomaly

43.9171, 0.3215, 0.3623



Tritanomaly

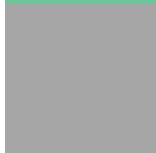
45.4670, 0.2630, 0.3390

Monochromacy



Original Color

45.5168, 0.2785, 0.3948



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.0727, 0.2972, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5168, 0.2785, 0.3948 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(109, 197, 154)` looks like.

```
.text, #text, p{  
    color:rgb(109, 197, 154)  
}
```

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(109, 197, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 197, 154) }
```

Border

The CSS property to change the border of an element to Yxy 45.5168, 0.2785, 0.3948 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(109, 197, 154) }
```

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

```
.border{ border-color:rgb(109, 197, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 197, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 197, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 197, 154);  
box-shadow:4px 4px 4px 4px rgb(109, 197,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5168, 0.2785, 0.3948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 197, 154) }
```

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

```
.background{ background-color: rgb(109,  
197, 154) }
```

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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