

Converting Colors

$Yxy(35.9478, 0.2748, 0.4115)$

Have a look what the booklet for
Yxy(35.9478, 0.2748, 0.4115)
contains.

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Color

Yxy(35.7910, 0.2745, 0.4104)

Conversions

Conversions Part 1

Format	Color
Hex	54B384
RGB	84, 179, 132
RGB Percent	33%, 70%, 52%
CMY	0.6707, 0.2980, 0.4823
CMYK	0.53, 0.00, 0.26, 0.30
HSL	150°, 38%, 52%
HSV	150°, 53%, 70%
XYZ	23.9392, 35.7910, 27.4799
YIQ	145.2370, -41.5330, -34.7570

Conversions

Conversions Part 2

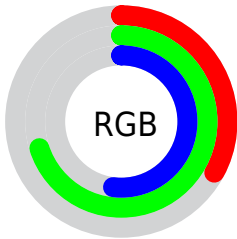
Format	Color
RYB	84, 147, 179
Decimal	5550980
CIELab	66.36, -39.24, 15.61
CIElCh	66, 42.228, 158.307
Yxy	35.7910, 0.2745, 0.4104
Android (android.graphics.Color)	4283741060 (0xFF54B384)
YUV	145.2370, -6.5258, -53.7048
Hunter-Lab	59.8256, -33.2681, 14.6440

Details

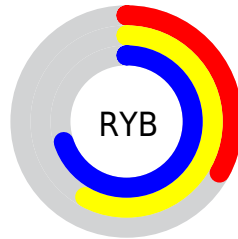
The Yxy color **35.7910, 0.2745, 0.4104** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **17.5573, 0.3865, 0.2625**, and the grayscale version is **28.4538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4949, 0.2827, 0.3930**, and **15.4149, 0.2606, 0.4402** is the 20% darker color. If you saturate the color by 10%, you get **34.8376, 0.2706, 0.4293**, and if you desaturate by 10%, it is **36.9789, 0.2799, 0.3923**.

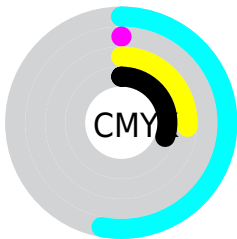
Distribution



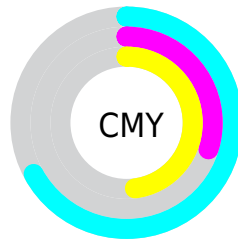
- Red (33%)
- Green (70%)
- Blue (52%)



- Red (33%)
- Yellow (58%)
- Blue (70%)



- Cyan (53%)
- Magenta (0%)
- Yellow (26%)
- Black (30%)





- Cyan (67%)
- Magenta (30%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.7910, 0.2745, 0.4104 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 35.7910, 0.2745, 0.4104 by changing the saturation by 10% instead.


 35.7910, 0.2745,
0.4104


 35.7910, 0.2745,
0.4104


328.0461, 0.2954,
0.3658

 24.2728, 0.2686,
0.4230


 68.7094, 0.2826,
0.3932

 15.5361, 0.2606,
0.4401


 90.8783, 0.2855,
0.3870

 9.1965, 0.2490,
0.4647


 117.3664, 0.2879,
0.3819

 4.8696, 0.2312,
0.5027

 148.5578, 0.2899,
0.3777

 2.1709, 0.2001,
0.5690

184.8372, 0.2916,
0.3740

 0.7041, 0.0000,
1.0000

226.5887, 0.2930,

 0.0000, 0.0000,

0.3709

0.0000

274.1969, 0.2943,
0.3682

■ 35.7910, 0.2745,
0.4104

■ 35.7910, 0.2745,
0.4104

■ 34.8376, 0.2706,
0.4293

■ 36.9789, 0.2799,
0.3923

■ 34.0973, 0.2684,
0.4485

■ 38.4122, 0.2865,
0.3754

■ 33.5524, 0.2682,
0.4677

■ 40.1060, 0.2939,
0.3597

■ 33.1795, 0.2699,
0.4862

■ 42.0733, 0.3019,
0.3455

■ 32.9896, 0.2718,
0.4985

■ 44.3259, 0.3101,
0.3327

■ 46.8751, 0.3185,
0.3213

■ 49.7314, 0.3268,
0.3112

■ 52.9049, 0.3349,
0.3023

■ 56.4052, 0.3427,
0.2945

Harmonies

Analogous

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



35.7910, 0.3363, 0.4452



35.7910, 0.2745, 0.4104



35.7910, 0.2260, 0.3463

Triad

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



35.7910, 0.2745, 0.4104



35.7910, 0.2294, 0.2293



35.7910, 0.4385, 0.3530

Complementary

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



35.7910, 0.2745, 0.4104



17.5573, 0.3865, 0.2625

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.



35.7910, 0.4044, 0.3047



35.7910, 0.2745, 0.4104



35.7910, 0.2789, 0.2370

Square

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



35.7910, 0.2745, 0.4104



35.7910, 0.2028, 0.2442



35.7910, 0.3434, 0.2638



35.7910, 0.4336, 0.4009

Rectangle

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



35.7910, 0.2745, 0.4104



35.7910, 0.2067, 0.3031



35.7910, 0.3434, 0.2638



35.7910, 0.4312, 0.3365

Sweetspot

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



35.7924, 0.2745, 0.4104



74.1724, 0.2993, 0.3499



37.7467, 0.3431, 0.4770



16.2726, 0.2977, 0.3527



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



35.7924, 0.2745, 0.4104



62.0948, 0.2700, 0.4331



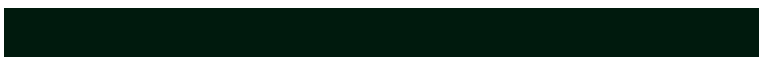
37.3812, 0.2455, 0.3288



9.5594, 0.3050, 0.3405



23.3232, 0.2712, 0.4964



0.7456, 0.2570, 0.4453

Inverse Universe

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



17.5573, 0.3865, 0.2625



25.8667, 0.4127, 0.2511



16.5592, 0.4647, 0.3295



8.5730, 0.3212, 0.3178



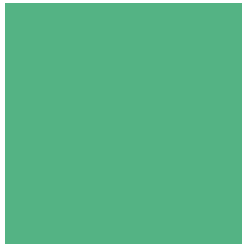
7.2893, 0.4952, 0.2502



0.2411, 0.4343, 0.2166

Previews

White Background



This preview shows how the Yxy color 35.7910, 0.2745, 0.4104 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 35.7910, 0.2745, 0.4104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

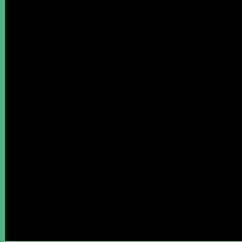
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7910, 0.2745, 0.4104

Background



This preview shows how black text looks on a background with the Yxy color 35.7910, 0.2745, 0.4104.



This preview shows how white text looks on a background with the Yxy color 35.7910, 0.2745, 0.4104.

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

35.7910, 0.2745, 0.4104

Protanopia

35.2296, 0.3582, 0.3830

Deuteranopia

35.1077, 0.3602, 0.3528



Tritanopia

35.7029, 0.2473, 0.3070

Trichromacy



Original Color

35.7910, 0.2745, 0.4104



Protanomaly

34.6328, 0.3215, 0.3944



Deuteranomaly

34.2396, 0.3230, 0.3726



Tritanomaly

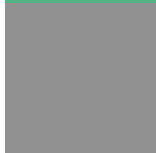
35.7928, 0.2575, 0.3435

Monochromacy



Original Color

35.7910, 0.2745, 0.4104



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

30.2183, 0.2954, 0.3576

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7910, 0.2745, 0.4104 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(84, 179, 132)` looks like.

```
.text, #text, p{  
    color:rgb(84, 179, 132)  
}
```

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(84, 179, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 179, 132) }
```

Border

The CSS property to change the border of an element to Yxy 35.7910, 0.2745, 0.4104 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(84, 179, 132) }
```

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

```
.border{ border-color:rgb(84, 179, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 179, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 179, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 179, 132);  
box-shadow:4px 4px 4px 4px rgb(84, 179,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7910, 0.2745, 0.4104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 179, 132) }
```

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

```
.background{ background-color: rgb(84, 179,  
132) }
```

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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