

Converting Colors

$Y_{xy}(35.2592, 0.2815, 0.4470)$

Have a look what the booklet for
Yxy(35.2592, 0.2815, 0.4470)
contains.

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Color

Yxy(35.3533, 0.2811, 0.4465)

Conversions

Conversions Part 1

Format	Color
Hex	4BB472
RGB	75, 180, 114
RGB Percent	29%, 71%, 45%
CMY	0.7061, 0.2941, 0.5530
CMYK	0.58, 0.00, 0.37, 0.29
HSL	142°, 41%, 50%
HSV	142°, 58%, 71%
XYZ	22.2571, 35.3533, 21.5683
YIQ	141.0810, -41.3940, -42.7860

Conversions

Conversions Part 2

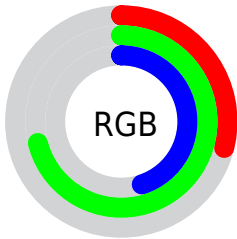
Format	Color
RYB	75, 152, 180
Decimal	4961394
CIELab	66.02, -45.36, 24.83
CIElCh	66, 51.712, 151.302
Yxy	35.3533, 0.2811, 0.4465
Android (android.graphics.Color)	4283151474 (0xFF4BB472)
YUV	141.0810, -13.3509, -57.9530
Hunter-Lab	59.4586, -37.2348, 20.1139

Details

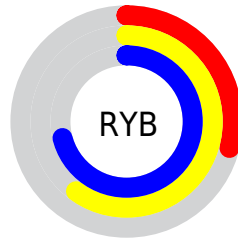
The Yxy color **35.3533, 0.2811, 0.4465** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.6525, 0.3744, 0.2385**, and the grayscale version is **26.7309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2271, 0.2887, 0.4219**, and **15.3034, 0.2695, 0.4900** is the 20% darker color. If you saturate the color by 10%, you get **34.4874, 0.2790, 0.4708**, and if you desaturate by 10%, it is **36.4593, 0.2846, 0.4227**.

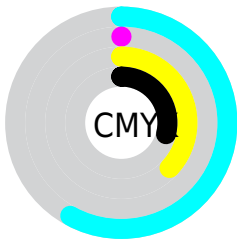
Distribution



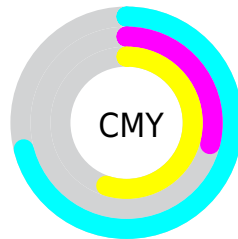
- Red (29%)
- Green (71%)
- Blue (45%)



- Red (29%)
- Yellow (60%)
- Blue (71%)



- Cyan (58%)
- Magenta (0%)
- Yellow (37%)
- Black (29%)





- Cyan (71%)
- Magenta (29%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3533, 0.2811, 0.4465 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 35.3533, 0.2811, 0.4465 by changing the saturation by 10% instead.


 35.3533, 0.2811,
0.4465


 35.3533, 0.2811,
0.4465


326.1250, 0.2997,
0.3811

 23.9352, 0.2753,
0.4653


 68.0327, 0.2886,
0.4210

 15.2855, 0.2671,
0.4909


 90.0628, 0.2912,
0.4119

 9.0200, 0.2547,
0.5279


 116.3990, 0.2933,
0.4045

 4.7542, 0.2342,
0.5850

 147.4256, 0.2951,
0.3983

 2.1038, 0.2011,
0.7311

 183.5272, 0.2965,
0.3930

 0.6668, 0.0000,
1.0000

225.0880, 0.2977,

 0.0000, 0.0000,

0.3885

0.0000

272.4925, 0.2988,
0.3845

■ 35.3533, 0.2811,
0.4465

■ 35.3533, 0.2811,
0.4465

■ 34.4874, 0.2790,
0.4708

■ 36.4593, 0.2846,
0.4227

■ 33.8381, 0.2787,
0.4946

■ 37.8178, 0.2894,
0.3999

■ 33.3849, 0.2801,
0.5171

■ 39.4456, 0.2949,
0.3788

■ 33.0915, 0.2830,
0.5374

■ 41.3567, 0.3010,
0.3595

■ 33.0499, 0.2835,
0.5405

■ 43.5641, 0.3073,
0.3421

■ 46.0800, 0.3138,
0.3266

■ 48.9160, 0.3201,
0.3129

■ 52.0830, 0.3263,
0.3009

■ 55.5914, 0.3323,
0.2904

Harmonies

Analogous

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



35.3533, 0.3564, 0.4753



35.3533, 0.2811, 0.4465



35.3533, 0.2185, 0.3693

Triad

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



35.3533, 0.2811, 0.4465



35.3533, 0.2028, 0.2113



35.3533, 0.4615, 0.3411

Complementary

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



35.3533, 0.2811, 0.4465



16.6525, 0.3744, 0.2385

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.



35.3533, 0.4097, 0.2863



35.3533, 0.2811, 0.4465



35.3533, 0.2549, 0.2153

Square

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



35.3533, 0.2811, 0.4465



35.3533, 0.1788, 0.2341



35.3533, 0.3302, 0.2419



35.3533, 0.4649, 0.3990

Rectangle

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



35.3533, 0.2811, 0.4465



35.3533, 0.1917, 0.3130



35.3533, 0.3302, 0.2419



35.3533, 0.4492, 0.3221

Sweetspot

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



35.3547, 0.2811, 0.4465



75.0002, 0.3010, 0.3594



38.8590, 0.3575, 0.4848



15.9832, 0.2992, 0.3647



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.



35.3547, 0.2811, 0.4465



62.1539, 0.2787, 0.4776



36.8932, 0.2490, 0.3520



9.5406, 0.3067, 0.3436



23.0765, 0.2829, 0.5383



0.7376, 0.2663, 0.4787

Inverse Universe

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



16.6525, 0.3744, 0.2385



25.0615, 0.3946, 0.2251



15.4510, 0.4647, 0.3103



8.5921, 0.3192, 0.3148



7.6195, 0.4404, 0.2200



0.2506, 0.3991, 0.1972

Previews

White Background



This preview shows how the Yxy color 35.3533, 0.2811, 0.4465 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 35.3533, 0.2811, 0.4465 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 35.3533, 0.2811, 0.4465

Background



This preview shows how black text looks on a background with the Yxy color 35.3533, 0.2811, 0.4465.



This preview shows how white text looks on a background with the Yxy color 35.3533, 0.2811, 0.4465.

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

35.3533, 0.2811, 0.4465

Protanopia

34.7004, 0.3775, 0.4071

Deuteranopia

34.8299, 0.3821, 0.3746



Tritanopia

35.1154, 0.2459, 0.3068

Trichromacy



Original Color

35.3533, 0.2811, 0.4465



Protanomaly

34.0385, 0.3346, 0.4243



Deuteranomaly

33.7054, 0.3371, 0.4000



Tritanomaly

34.8500, 0.2582, 0.3540

Monochromacy



Original Color

35.3533, 0.2811, 0.4465



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

28.8633, 0.2975, 0.3708

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3533, 0.2811, 0.4465 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(75, 180, 114)` looks like.

```
.text, #text, p{  
    color:rgb(75, 180, 114)  
}
```

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(75, 180, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 180, 114) }
```

Border

The CSS property to change the border of an element to Yxy 35.3533, 0.2811, 0.4465 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(75, 180, 114) }
```

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

```
.border{ border-color:rgb(75, 180, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 180, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 180, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 180, 114);  
box-shadow:4px 4px 4px 4px rgb(75, 180,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3533, 0.2811, 0.4465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 180, 114) }
```

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

```
.background{ background-color: rgb(75, 180,  
114) }
```

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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