

Converting Colors

Yxy(35.4832, 0.3478, 0.5206)

Have a look what the booklet for
Yxy(35.4832, 0.3478, 0.5206)
contains.

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Color

Yxy(35.4832, 0.3478, 0.5206)

Conversions

Conversions Part 1

Format	Color
Hex	75B135
RGB	117, 177, 53
RGB Percent	46%, 69%, 21%
CMY	0.5410, 0.3059, 0.7921
CMYK	0.34, 0.00, 0.70, 0.31
HSL	89°, 54%, 45%
HSV	89°, 70%, 69%
XYZ	23.7054, 35.4832, 8.9696
YIQ	144.9240, 4.0440, -51.2840

Conversions

Conversions Part 2

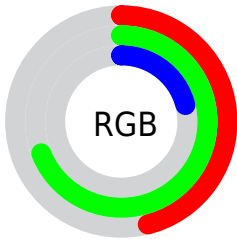
Format	Color
RYB	53, 177, 113
Decimal	7713077
CIELab	66.12, -39.25, 54.57
CIElCh	66, 67.217, 125.725
Yxy	35.4832, 0.3478, 0.5206
Android (android.graphics.Color)	4285903157 (0xFF75B135)
YUV	144.9240, -45.3185, -24.4893
Hunter-Lab	59.5678, -33.2082, 32.7696

Details

The Yxy color **35.4832, 0.3478, 0.5206** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.2311, 0.2363, 0.1362**, and the grayscale version is **28.4744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2236, 0.3459, 0.4813**, and **15.4394, 0.3389, 0.5691** is the 20% darker color. If you saturate the color by 10%, you get **34.7845, 0.3469, 0.5417**, and if you desaturate by 10%, it is **36.2994, 0.3466, 0.4954**.

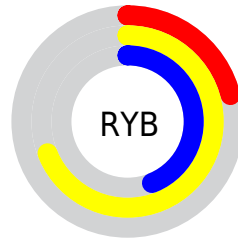
Distribution



Red (46%)

Green (69%)

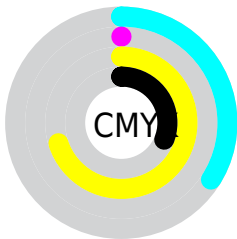
Blue (21%)



Red (21%)

Yellow (69%)

Blue (44%)

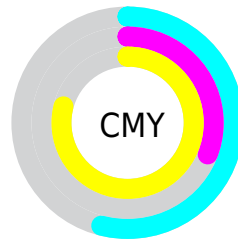


Cyan (34%)

Magenta (0%)

Yellow (70%)

Black (31%)



Cyan (54%)


Magenta (31%)


Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4832, 0.3478, 0.5206 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 35.4832, 0.3478, 0.5206 by changing the saturation by 10% instead.


 35.4832, 0.3478,
0.5206


 35.4832, 0.3478,
0.5206


326.6960, 0.3365,
0.4168

 24.0353, 0.3471,
0.5475


 68.2336, 0.3460,
0.4817


 15.3598, 0.3436,
0.5816


 90.3050, 0.3445,
0.4673

 9.0723, 0.3353,
0.6275


 116.6863, 0.3430,
0.4554

 4.7884, 0.3140,
0.6860

 147.7620, 0.3416,
0.4452

 2.1236, 0.2580,
0.7420

 183.9164, 0.3402,
0.4366

 0.6779, 0.0000,
1.0000

 225.5340, 0.3389,

 0.0000, 0.0000,

0.4291

0.0000

272.9990, 0.3377,
0.4225

■ 35.4832, 0.3478,
0.5206

■ 35.4832, 0.3478,
0.5206

■ 34.7845, 0.3469,
0.5417

■ 36.2994, 0.3466,
0.4954

■ 34.1901, 0.3437,
0.5577

■ 37.2358, 0.3434,
0.4674

■ 33.6873, 0.3391,
0.5690

■ 38.3005, 0.3387,
0.4382

■ 39.4994, 0.3329,
0.4089

■ 40.8382, 0.3265,
0.3806

■ 42.3221, 0.3196,
0.3538

■ 43.9558, 0.3127,
0.3291

■ 45.7442, 0.3060,
0.3065

■ 47.6915, 0.2995,
0.2861

Harmonies

Analogous

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



35.4832, 0.4362, 0.4860



35.4832, 0.3478, 0.5206



35.4832, 0.2553, 0.4750

Triad

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



35.4832, 0.3478, 0.5206



35.4832, 0.1506, 0.2021



35.4832, 0.4514, 0.2826

Complementary

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



35.4832, 0.3478, 0.5206



9.2311, 0.2363, 0.1362

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.



35.4832, 0.3493, 0.2276



35.4832, 0.3478, 0.5206



35.4832, 0.1835, 0.1825

Square

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



35.4832, 0.3478, 0.5206



35.4832, 0.1496, 0.2602



35.4832, 0.2507, 0.1924



35.4832, 0.5087, 0.3481

Rectangle

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



35.4832, 0.3478, 0.5206



35.4832, 0.2039, 0.4026



35.4832, 0.2507, 0.1924



35.4832, 0.4200, 0.2626

Sweetspot

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



35.4847, 0.3478, 0.5206



72.8140, 0.3273, 0.3842



21.4011, 0.4720, 0.4094



15.6370, 0.3291, 0.3917



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



35.4847, 0.3478, 0.5206



61.7048, 0.3454, 0.5510



32.5145, 0.3033, 0.5496



9.6986, 0.3191, 0.3520



24.4452, 0.3398, 0.5684



0.8037, 0.3614, 0.5512

Inverse Universe

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



9.2311, 0.2363, 0.1362



11.7324, 0.2162, 0.1054



14.8280, 0.3171, 0.1750



8.4250, 0.3058, 0.3060



3.7553, 0.2006, 0.0879



0.1529, 0.2325, 0.1055

Previews

White Background



This preview shows how the Yxy color 35.4832, 0.3478, 0.5206 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 35.4832, 0.3478, 0.5206 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 35.4832, 0.3478, 0.5206

Background



This preview shows how black text looks on a background with the Yxy color 35.4832, 0.3478, 0.5206.



This preview shows how white text looks on a background with the Yxy color 35.4832, 0.3478, 0.5206.

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

35.4832, 0.3478, 0.5206

Protanopia

34.9471, 0.4249, 0.4682

Deuteranopia

34.9464, 0.4455, 0.4367



Tritanopia

35.1930, 0.2753, 0.3093

Trichromacy



Original Color

35.4832, 0.3478, 0.5206

Protanomaly

34.5706, 0.3949, 0.4889

Deuteranomaly

34.2405, 0.4078, 0.4671

Tritanomaly

34.6586, 0.3056, 0.3876

Monochromacy



Original Color

35.4832, 0.3478, 0.5206

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

30.4347, 0.3317, 0.4042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4832, 0.3478, 0.5206 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(117, 177, 53)` looks like.

```
.text, #text, p{  
    color:rgb(117, 177, 53)  
}
```

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(117, 177, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 177, 53) }
```

Border

The CSS property to change the border of an element to Yxy 35.4832, 0.3478, 0.5206 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(117, 177, 53) }
```

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

```
.border{ border-color:rgb(117, 177, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 177, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 177, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 177, 53);  
box-shadow:4px 4px 4px 4px rgb(117, 177,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4832, 0.3478, 0.5206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 177, 53) }
```

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

```
.background{ background-color: rgb(117,  
177, 53) }
```

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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