

Converting Colors

Yxy(36.8469, 0.3244, 0.4706)

Have a look what the booklet for
Yxy(36.8469, 0.3244, 0.4706)
contains.

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Color

Yxy(36.8124, 0.3245, 0.4698)

Conversions

Conversions Part 1

Format	Color
Hex	75B35D
RGB	117, 179, 93
RGB Percent	46%, 70%, 36%
CMY	0.5414, 0.2980, 0.6353
CMYK	0.35, 0.00, 0.48, 0.30
HSL	103°, 36%, 53%
HSV	103°, 48%, 70%
XYZ	25.4270, 36.8124, 16.1182
YIQ	150.6580, -9.3460, -39.8900

Conversions

Conversions Part 2

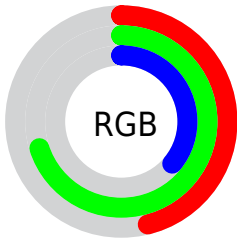
Format	Color
RYB	93, 179, 155
Decimal	7713629
CIELab	67.14, -36.17, 37.54
CIELCh	67, 52.131, 133.938
Yxy	36.8124, 0.3245, 0.4698
Android (android.graphics.Color)	4285903709 (0xFF75B35D)
YUV	150.6580, -28.4254, -29.5181
Hunter-Lab	60.6732, -31.3720, 26.7206

Details

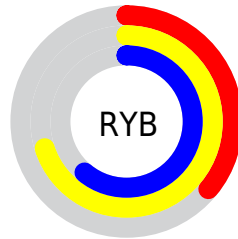
The Yxy color **36.8124, 0.3245, 0.4698** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **18.0550, 0.2893, 0.2042**, and the grayscale version is **30.9165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2317, 0.3246, 0.4398**, and **16.1935, 0.3214, 0.5190** is the 20% darker color. If you saturate the color by 10%, you get **35.6998, 0.3248, 0.5017**, and if you desaturate by 10%, it is **38.1258, 0.3231, 0.4373**.

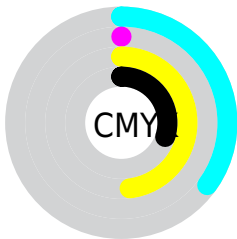
Distribution



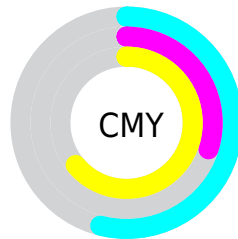
- Red (46%)
- Green (70%)
- Blue (36%)



- Red (36%)
- Yellow (70%)
- Blue (61%)



- Cyan (35%)
- Magenta (0%)
- Yellow (48%)
- Black (30%)




- Cyan (54%)
- Magenta (30%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8124, 0.3245, 0.4698 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 36.8124, 0.3245, 0.4698 by changing the saturation by 10% instead.


 36.8124, 0.3245,
0.4698


 36.8124, 0.3245,
0.4698


332.4976, 0.3216,
0.3927


 25.0623, 0.3238,
0.4910


 70.2842, 0.3244,
0.4403


 16.1235, 0.3217,
0.5193


 92.7746, 0.3240,
0.4296

 9.6116, 0.3168,
0.5582


 119.6139, 0.3236,
0.4208

 5.1422, 0.3061,
0.6164

 151.1865, 0.3232,
0.4134

 2.3309, 0.2836,
0.7164

187.8768, 0.3228,
0.4071

 0.7900, 0.0000,
1.0000

230.0691, 0.3223,

 0.0000, 0.0000,

0.4016

0.0000

278.1479, 0.3219,
0.3969

■ 36.8124, 0.3245,
0.4698

■ 36.8124, 0.3245,
0.4698

■ 35.6998, 0.3248,
0.5017

■ 38.1258, 0.3231,
0.4373

■ 34.7730, 0.3238,
0.5312

■ 39.6448, 0.3210,
0.4058

■ 34.0222, 0.3214,
0.5564


■ 41.3797, 0.3183,
0.3761

■ 33.4347, 0.3177,
0.5754


■ 43.3389, 0.3153,
0.3489

■ 32.9930, 0.3133,
0.5880


■ 45.5302, 0.3121,
0.3244

 32.9199, 0.3125,
0.5901

 47.9612, 0.3089,
0.3026

 50.6388, 0.3058,
0.2834

 53.5699, 0.3028,
0.2664

 56.7611, 0.2999,
0.2515

Harmonies

Analogous

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



36.8124, 0.3974, 0.4653



36.8124, 0.3245, 0.4698



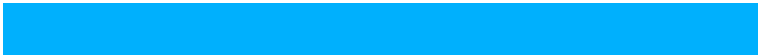
36.8124, 0.2524, 0.4172

Triad

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



36.8124, 0.3245, 0.4698



36.8124, 0.1861, 0.2214



36.8124, 0.4360, 0.3087

Complementary

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



36.8124, 0.3245, 0.4698



18.0550, 0.2893, 0.2042

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.



36.8124, 0.3647, 0.2591



36.8124, 0.3245, 0.4698



36.8124, 0.2218, 0.2105

Square

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



36.8124, 0.3245, 0.4698



36.8124, 0.1785, 0.2617



36.8124, 0.2846, 0.2244



36.8124, 0.4683, 0.3654

Rectangle

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



36.8124, 0.3245, 0.4698



36.8124, 0.2147, 0.3615



36.8124, 0.2846, 0.2244



36.8124, 0.4153, 0.2910

Sweetspot

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



36.8140, 0.3245, 0.4698



75.3902, 0.3172, 0.3654



33.6979, 0.3975, 0.4156



16.5409, 0.3178, 0.3714



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.



36.8140, 0.3245, 0.4698



63.7605, 0.3247, 0.5046



35.7332, 0.2937, 0.4458



9.6009, 0.3157, 0.3522



23.2880, 0.3132, 0.5895



0.7627, 0.3354, 0.5719

Inverse Universe

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



18.0550, 0.2893, 0.2042



26.0065, 0.2818, 0.1775



19.9631, 0.3414, 0.2359



8.5254, 0.3095, 0.3063



5.6389, 0.2524, 0.1164



0.2048, 0.2724, 0.1274

Previews

White Background



This preview shows how the Yxy color 36.8124, 0.3245, 0.4698 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 36.8124, 0.3245, 0.4698 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 36.8124, 0.3245, 0.4698

Background



This preview shows how black text looks on a background with the Yxy color 36.8124, 0.3245, 0.4698.



This preview shows how white text looks on a background with the Yxy color 36.8124, 0.3245, 0.4698.

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

36.8124, 0.3245, 0.4698

Protanopia

36.4662, 0.3969, 0.4333

Deuteranopia

36.2139, 0.4108, 0.4021



Tritanopia

36.7004, 0.2707, 0.3081

Trichromacy



Original Color

36.8124, 0.3245, 0.4698

Protanomaly

36.1651, 0.3679, 0.4480

Deuteranomaly

35.7388, 0.3766, 0.4262

Tritanomaly

36.6012, 0.2915, 0.3653

Monochromacy



Original Color

36.8124, 0.3245, 0.4698

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.5904, 0.3189, 0.3791

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8124, 0.3245, 0.4698 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, 179, 93)` looks like.

```
.text, #text, p{  
    color:rgb(117, 179, 93)  
}
```

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, 179, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 179, 93) }
```

Border

The CSS property to change the border of an element to Yxy 36.8124, 0.3245, 0.4698 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, 179, 93) }
```

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

```
.border{ border-color:rgb(117, 179, 93) }
```

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

Here you see how a box with a 4 pixel rgb(117, 179, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 179, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 179, 93);  
box-shadow:4px 4px 4px 4px rgb(117, 179,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8124, 0.3245, 0.4698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 179, 93) }
```

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

```
.background{ background-color: rgb(117,  
179, 93) }
```

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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