

Converting Colors

$Yxy(37.6565, 0.3301, 0.5070)$

Have a look what the booklet for
Yxy(37.6565, 0.3301, 0.5070)
contains.

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Color

Yxy(37.6498, 0.3302, 0.5068)

Conversions

Conversions Part 1

Format	Color
Hex	6EB748
RGB	110, 183, 72
RGB Percent	43%, 72%, 28%
CMY	0.5688, 0.2823, 0.7175
CMYK	0.40, 0.00, 0.61, 0.28
HSL	99°, 44%, 50%
HSV	99°, 61%, 72%
XYZ	24.5303, 37.6498, 12.1092
YIQ	148.5190, -7.8770, -49.9970

Conversions

Conversions Part 2

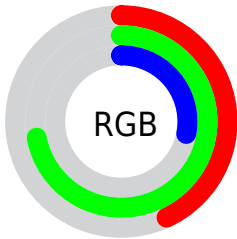
Format	Color
RYB	72, 183, 145
Decimal	7255880
CIELab	67.76, -42.70, 48.24
CIELCh	68, 64.423, 131.516
Yxy	37.6498, 0.3302, 0.5068
Android (android.graphics.Color)	4285445960 (0xFF6EB748)
YUV	148.5190, -37.7239, -33.7812
Hunter-Lab	61.3594, -36.0182, 31.2509

Details

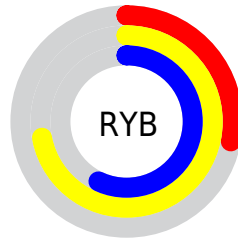
The Yxy color **37.6498, 0.3302, 0.5068** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **14.0843, 0.2719, 0.1697**, and the grayscale version is **30.0040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8824, 0.3309, 0.4708**, and **16.5222, 0.3245, 0.5665** is the 20% darker color. If you saturate the color by 10%, you get **36.7264, 0.3293, 0.5346**, and if you desaturate by 10%, it is **38.7525, 0.3296, 0.4762**.

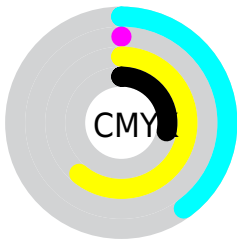
Distribution



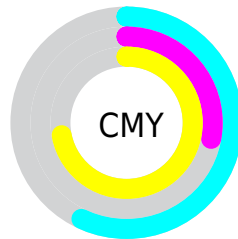
- Red (43%)
- Green (72%)
- Blue (28%)



- Red (28%)
- Yellow (72%)
- Blue (57%)



- Cyan (40%)
- Magenta (0%)
- Yellow (61%)
- Black (28%)





- Cyan (57%)
- Magenta (28%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6498, 0.3302, 0.5068 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 37.6498, 0.3302, 0.5068 by changing the saturation by 10% instead.


 37.6498, 0.3302,
0.5068


 37.6498, 0.3302,
0.5068


336.1153, 0.3266,
0.4098


 25.7110, 0.3285,
0.5328


 71.5711, 0.3306,
0.4700


 16.6076, 0.3245,
0.5665

 94.3223, 0.3302,
0.4566


 9.9551, 0.3153,
0.6112


 121.4465, 0.3297,
0.4455

 5.3692, 0.3056,
0.6944

 153.3280, 0.3291,
0.4361

 2.4655, 0.2511,
0.7489

 190.3513, 0.3284,
0.4281

 0.8593, 0.0000,
1.0000

232.9006, 0.3278,

 0.0000, 0.0000,

0.4212

0.0000

281.3605, 0.3272,
0.4151

■ 37.6498, 0.3302,
0.5068

■ 37.6498, 0.3302,
0.5068

■ 36.7264, 0.3293,
0.5346

■ 38.7525, 0.3296,
0.4762

■ 35.9668, 0.3267,
0.5577

■ 40.0395, 0.3276,
0.4444

■ 35.3604, 0.3226,
0.5748

■ 41.5212, 0.3247,
0.4131

■ 34.9128, 0.3180,
0.5857

■ 43.2059, 0.3211,
0.3833

■ 45.1014, 0.3171,
0.3557

■ 47.2150, 0.3130,
0.3305

■ 49.5538, 0.3088,
0.3079

■ 52.1242, 0.3048,
0.2878

■ 54.9328, 0.3009,
0.2700

Harmonies

Analogous

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



37.6498, 0.4165, 0.4886



37.6498, 0.3302, 0.5068



37.6498, 0.2439, 0.4476

Triad

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



37.6498, 0.3302, 0.5068



37.6498, 0.1617, 0.2026



37.6498, 0.4581, 0.2972

Complementary

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



37.6498, 0.3302, 0.5068



14.0843, 0.2719, 0.1697

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.



37.6498, 0.3671, 0.2416



37.6498, 0.3302, 0.5068



37.6498, 0.1997, 0.1891

Square

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



37.6498, 0.3302, 0.5068



37.6498, 0.1551, 0.2508



37.6498, 0.2705, 0.2035



37.6498, 0.5008, 0.3617

Rectangle

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



37.6498, 0.3302, 0.5068



37.6498, 0.1986, 0.3766



37.6498, 0.2705, 0.2035



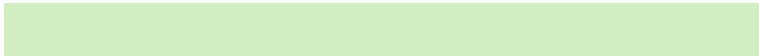
37.6498, 0.4313, 0.2773

Sweetspot

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



37.6514, 0.3302, 0.5068



78.1341, 0.3202, 0.3766



30.5334, 0.4285, 0.4262



17.0496, 0.3213, 0.3850



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



37.6514, 0.3302, 0.5068



65.2514, 0.3286, 0.5434



35.9654, 0.2949, 0.4957



10.2053, 0.3166, 0.3523



24.3875, 0.3188, 0.5851



0.8947, 0.3405, 0.5679

Inverse Universe

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



14.0843, 0.2719, 0.1697



19.2562, 0.2594, 0.1407



17.4731, 0.3410, 0.2072



9.0049, 0.3085, 0.3061



5.2325, 0.2374, 0.1082



0.2172, 0.2596, 0.1204

Previews

White Background



This preview shows how the Yxy color 37.6498, 0.3302, 0.5068 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 37.6498, 0.3302, 0.5068 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 37.6498, 0.3302, 0.5068

Background



This preview shows how black text looks on a background with the Yxy color 37.6498, 0.3302, 0.5068.



This preview shows how white text looks on a background with the Yxy color 37.6498, 0.3302, 0.5068.

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

37.6498, 0.3302, 0.5068

Protanopia

37.0234, 0.4149, 0.4542

Deuteranopia

36.9127, 0.4316, 0.4227



Tritanopia

37.5970, 0.2669, 0.3096

Trichromacy



Original Color

37.6498, 0.3302, 0.5068



Protanomaly

36.6234, 0.3805, 0.4749



Deuteranomaly

36.2433, 0.3920, 0.4533



Tritanomaly

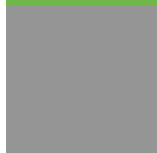
37.1292, 0.2914, 0.3803

Monochromacy



Original Color

37.6498, 0.3302, 0.5068



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

32.0211, 0.3229, 0.3948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6498, 0.3302, 0.5068 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(110, 183, 72)` looks like.

```
.text, #text, p{  
    color:rgb(110, 183, 72)  
}
```

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(110, 183, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 183, 72) }
```

Border

The CSS property to change the border of an element to Yxy 37.6498, 0.3302, 0.5068 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(110, 183, 72) }
```

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

```
.border{ border-color:rgb(110, 183, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 183, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 183, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 183, 72);  
box-shadow:4px 4px 4px 4px rgb(110, 183,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6498, 0.3302, 0.5068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 183, 72) }
```

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

```
.background{ background-color: rgb(110,  
183, 72) }
```

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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