

Converting Colors

Yxy(37.7176, 0.3328, 0.5096)

Have a look what the booklet for
Yxy(37.7176, 0.3328, 0.5096)
contains.

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Color

Yxy(37.6762, 0.3326, 0.5102)

Conversions

Conversions Part 1

Format	Color
Hex	6FB745
RGB	111, 183, 69
RGB Percent	44%, 72%, 27%
CMY	0.5648, 0.2823, 0.7294
CMYK	0.39, 0.00, 0.62, 0.28
HSL	98°, 45%, 49%
HSV	98°, 62%, 72%
XYZ	24.5612, 37.6762, 11.6086
YIQ	148.4760, -6.3180, -50.7180

Conversions

Conversions Part 2

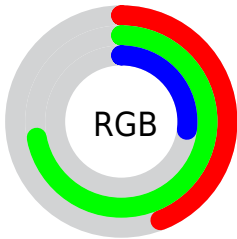
Format	Color
RYB	69, 183, 141
Decimal	7321413
CIELab	67.78, -42.65, 49.62
CIELCh	68, 65.429, 130.685
Yxy	37.6762, 0.3326, 0.5102
Android (android.graphics.Color)	4285511493 (0xFF6FB745)
YUV	148.4760, -39.1817, -32.8665
Hunter-Lab	61.3809, -35.9911, 31.7535

Details

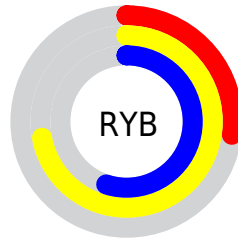
The Yxy color **37.6762, 0.3326, 0.5102** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **13.3424, 0.2667, 0.1642**, and the grayscale version is **29.9917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3536, 0.3328, 0.4719**, and **16.5347, 0.3270, 0.5703** is the 20% darker color. If you saturate the color by 10%, you get **36.7825, 0.3316, 0.5370**, and if you desaturate by 10%, it is **38.7403, 0.3319, 0.4803**.

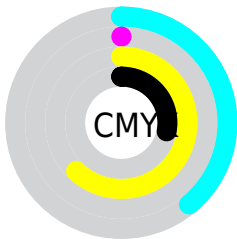
Distribution



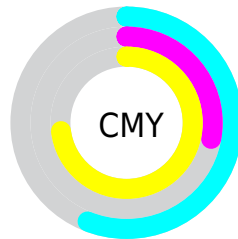
- Red (44%)
- Green (72%)
- Blue (27%)



- Red (27%)
- Yellow (72%)
- Blue (55%)



- Cyan (39%)
- Magenta (0%)
- Yellow (62%)
- Black (28%)




- Cyan (56%)
- Magenta (28%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6762, 0.3326, 0.5102 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 37.6762, 0.3326, 0.5102 by changing the saturation by 10% instead.


 37.6762, 0.3326,
0.5102


 37.6762, 0.3326,
0.5102


336.2289, 0.3281,
0.4116

 25.7315, 0.3310,
0.5364


 71.6116, 0.3328,
0.4729


 16.6229, 0.3269,
0.5704


 94.3710, 0.3322,
0.4593


 9.9660, 0.3176,
0.6151


 121.5041, 0.3316,
0.4479

 5.3764, 0.3059,
0.6941

 153.3953, 0.3309,
0.4384

 2.4698, 0.2515,
0.7485

 190.4290, 0.3301,
0.4302

 0.8614, 0.0000,
1.0000

232.9896, 0.3294,

 0.0000, 0.0000,

0.4231

0.0000

281.4614, 0.3287,
0.4170

■ 37.6762, 0.3326,
0.5102

■ 37.6762, 0.3326,
0.5102

■ 36.7825, 0.3316,
0.5370

■ 38.7403, 0.3319,
0.4803

■ 36.0440, 0.3289,
0.5589

■ 39.9794, 0.3298,
0.4490

■ 35.4503, 0.3246,
0.5748

■ 41.4035, 0.3266,
0.4178

■ 35.0766, 0.3207,
0.5836

■ 43.0206, 0.3227,
0.3879

■ 44.8382, 0.3183,
0.3600

■ 46.8633, 0.3138,
0.3345

■ 49.1024, 0.3092,
0.3115

■ 51.5621, 0.3047,
0.2909

■ 54.2482, 0.3005,
0.2726

Harmonies

Analogous

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



37.6762, 0.4197, 0.4893



37.6762, 0.3326, 0.5102



37.6762, 0.2450, 0.4524

Triad

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



37.6762, 0.3326, 0.5102



37.6762, 0.1593, 0.2018



37.6762, 0.4583, 0.2949

Complementary

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



37.6762, 0.3326, 0.5102



13.3424, 0.2667, 0.1642

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.



37.6762, 0.3650, 0.2392



37.6762, 0.3326, 0.5102



37.6762, 0.1967, 0.1874

Square

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



37.6762, 0.3326, 0.5102



37.6762, 0.1534, 0.2515



37.6762, 0.2674, 0.2013



37.6762, 0.5031, 0.3598

Rectangle

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



37.6762, 0.3326, 0.5102



37.6762, 0.1985, 0.3805



37.6762, 0.2674, 0.2013



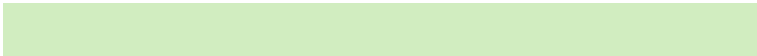
37.6762, 0.4306, 0.2749

Sweetspot

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



37.6778, 0.3326, 0.5102



77.9738, 0.3214, 0.3794



29.0524, 0.4356, 0.4235



17.0247, 0.3226, 0.3876



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.



37.6778, 0.3326, 0.5102



65.3166, 0.3308, 0.5463



35.7494, 0.2967, 0.5070



10.2168, 0.3170, 0.3522



24.5039, 0.3215, 0.5829



0.8995, 0.3432, 0.5657

Inverse Universe

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



13.3424, 0.2667, 0.1642



18.0141, 0.2529, 0.1347



17.2166, 0.3367, 0.2007



8.9930, 0.3081, 0.3061



4.9976, 0.2314, 0.1048



0.2100, 0.2549, 0.1178

Previews

White Background



This preview shows how the Yxy color 37.6762, 0.3326, 0.5102 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 37.6762, 0.3326, 0.5102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

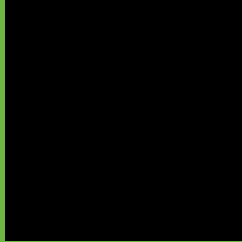
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6762, 0.3326, 0.5102

Background



This preview shows how black text looks on a background with the Yxy color 37.6762, 0.3326, 0.5102.



This preview shows how white text looks on a background with the Yxy color 37.6762, 0.3326, 0.5102.

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

37.6762, 0.3326, 0.5102

Protanopia

37.3477, 0.4159, 0.4581

Deuteranopia

37.0093, 0.4350, 0.4252



Tritanopia

37.2957, 0.2674, 0.3081

Trichromacy



Original Color

37.6762, 0.3326, 0.5102

Protanomaly

37.0665, 0.3827, 0.4786

Deuteranomaly

36.3129, 0.3951, 0.4562

Tritanomaly

36.7807, 0.2928, 0.3804

Monochromacy



Original Color

37.6762, 0.3326, 0.5102

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.9725, 0.3247, 0.3982

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6762, 0.3326, 0.5102 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(111, 183, 69)` looks like.

```
.text, #text, p{  
    color:rgb(111, 183, 69)  
}
```

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(111, 183, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 183, 69) }
```

Border

The CSS property to change the border of an element to Yxy 37.6762, 0.3326, 0.5102 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(111, 183, 69) }
```

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

```
.border{ border-color:rgb(111, 183, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 183, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 183, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 183, 69);  
box-shadow:4px 4px 4px 4px rgb(111, 183,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6762, 0.3326, 0.5102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 183, 69) }
```

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

```
.background{ background-color: rgb(111,  
183, 69) }
```

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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