

Converting Colors

Yxy(33.4765, 0.3414, 0.5649)

Have a look what the booklet for
Yxy(33.4765, 0.3414, 0.5649)
contains.

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Color

Yxy(33.4967, 0.3417, 0.5645)

Conversions

Conversions Part 1

Format	Color
Hex	5FB006
RGB	95, 176, 6
RGB Percent	37%, 69%, 2%
CMY	0.6275, 0.3098, 0.9768
CMYK	0.46, 0.00, 0.97, 0.31
HSL	89°, 94%, 36%
HSV	89°, 97%, 69%
XYZ	20.2760, 33.4967, 5.5660
YIQ	132.4010, 6.2940, -70.0420

Conversions

Conversions Part 2

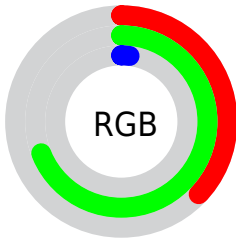
Format	Color
RYB	6, 176, 87
Decimal	6270982
CIELab	64.56, -48.49, 64.67
CIELCh	65, 80.831, 126.861
Yxy	33.4967, 0.3417, 0.5645
Android (android.graphics.Color)	4284461062 (0xFF5FB006)
YUV	132.4010, -62.3157, -32.8007
Hunter-Lab	57.8763, -38.7490, 34.8115

Details

The Yxy color **33.4967, 0.3417, 0.5645** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **5.2857, 0.2018, 0.0902**, and the grayscale version is **23.4510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0356, 0.3445, 0.5167**, and **14.4572, 0.3123, 0.5903** is the 20% darker color. If you saturate the color by 10%, you get **33.3373, 0.3401, 0.5681**, and if you desaturate by 10%, it is **34.0224, 0.3460, 0.5521**.

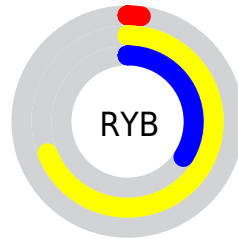
Distribution



Red (37%)

Green (69%)

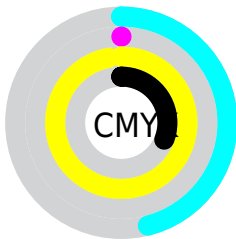
Blue (2%)



Red (2%)

Yellow (69%)

Blue (34%)

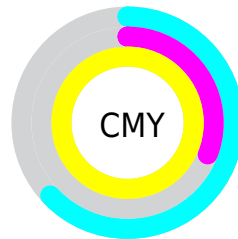


Cyan (46%)

Magenta (0%)

Yellow (97%)

Black (31%)



Cyan (63%)

Magenta (31%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4967, 0.3417, 0.5645 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 33.4967, 0.3417, 0.5645 by changing the saturation by 10% instead.


 33.4967, 0.3417,
0.5645


 33.4967, 0.3417,
0.5645


317.8820, 0.3380,
0.4364


 22.5072, 0.3367,
0.5965


 65.1502, 0.3442,
0.5170

 14.2301, 0.3262,
0.6358


 86.5831, 0.3439,
0.4993


 8.2809, 0.3088,
0.6912


 112.2658, 0.3432,
0.4844

 4.2752, 0.2640,
0.7360

 142.5829, 0.3422,
0.4718

 1.8287, 0.1601,
0.8399

 177.9186, 0.3412,
0.4610

 0.5049, 0.0000,
1.0000

 218.6574, 0.3401,

 0.0000, 0.0000,

0.4517

0.0000

265.1838, 0.3390,
0.4436

■ 33.4967, 0.3417,
0.5645

■ 33.4967, 0.3417,
0.5645

■ 33.3373, 0.3401,
0.5681

■ 34.0224, 0.3460,
0.5521

■ 34.6424, 0.3483,
0.5344

■ 35.3686, 0.3484,
0.5119

■ 36.2087, 0.3464,
0.4857

■ 37.1697, 0.3425,
0.4573

■ 38.2578, 0.3373,
0.4280

■ 39.4786, 0.3311,
0.3990

■ 40.8375, 0.3244,
0.3712

■ 42.3394, 0.3174,
0.3452

Harmonies

Analogous

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



33.4967, 0.4467, 0.5114



33.4967, 0.3417, 0.5645



33.4967, 0.2353, 0.5099

Triad

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



33.4967, 0.3417, 0.5645



33.4967, 0.1261, 0.1769



33.4967, 0.4858, 0.2739

Complementary

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



33.4967, 0.3417, 0.5645



5.2857, 0.2018, 0.0902

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.



33.4967, 0.3603, 0.2118



33.4967, 0.3417, 0.5645



33.4967, 0.1636, 0.1585

Square

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



33.4967, 0.3417, 0.5645



33.4967, 0.1224, 0.2389



33.4967, 0.2411, 0.1714



33.4967, 0.5496, 0.3464

Rectangle

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



33.4967, 0.3417, 0.5645



33.4967, 0.1778, 0.4136



33.4967, 0.2411, 0.1714



33.4967, 0.4475, 0.2515

Sweetspot

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



33.4981, 0.3417, 0.5645



70.9366, 0.3330, 0.4072



15.7859, 0.5425, 0.4038



15.1731, 0.3355, 0.4193



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.



33.4981, 0.3417, 0.5645



60.3223, 0.3390, 0.5691



31.1411, 0.3009, 0.5966



9.7017, 0.3193, 0.3520



24.4934, 0.3409, 0.5676



0.8051, 0.3622, 0.5506

Inverse Universe

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



5.2857, 0.2018, 0.0902



8.9562, 0.1964, 0.0856



11.8466, 0.3129, 0.1510



8.4220, 0.3057, 0.3060



3.7115, 0.1992, 0.0871



0.1516, 0.2314, 0.1048

Previews

White Background



This preview shows how the Yxy color 33.4967, 0.3417, 0.5645 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 33.4967, 0.3417, 0.5645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

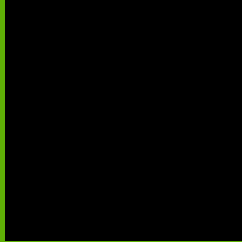
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4967, 0.3417, 0.5645

Background



This preview shows how black text looks on a background with the Yxy color 33.4967, 0.3417, 0.5645.



This preview shows how white text looks on a background with the Yxy color 33.4967, 0.3417, 0.5645.

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

33.4967, 0.3417, 0.5645

Protanopia

33.0070, 0.4407, 0.4883

Deuteranopia

33.0429, 0.4614, 0.4527



Tritanopia

33.5072, 0.2628, 0.3085

Trichromacy



Original Color

33.4967, 0.3417, 0.5645

Protanomaly

32.4018, 0.4021, 0.5182

Deuteranomaly

31.8948, 0.4155, 0.4963

Tritanomaly

32.4943, 0.3033, 0.4211

Monochromacy



Original Color

33.4967, 0.3417, 0.5645

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

25.7736, 0.3405, 0.4415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4967, 0.3417, 0.5645 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(95, 176, 6)` looks like.

```
.text, #text, p{  
    color:rgb(95, 176, 6)  
}
```

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(95, 176, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 176, 6) }
```

Border

The CSS property to change the border of an element to Yxy 33.4967, 0.3417, 0.5645 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(95, 176, 6) }
```

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

```
.border{ border-color:rgb(95, 176, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 176, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 176, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 176, 6);  
box-shadow:4px 4px 4px 4px rgb(95, 176, 6)  
}
```


Background

The CSS property to change the background color of an element to Yxy 33.4967, 0.3417, 0.5645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 176, 6) }
```

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

```
.background{ background-color: rgb(95, 176,  
6) }
```

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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