

Converting Colors

$Yxy(34.3541, 0.3187, 0.4917)$

Have a look what the booklet for
Yxy(34.3541, 0.3187, 0.4917)
contains.

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Color

Yxy(34.3541, 0.3187, 0.4917)

Conversions

Conversions Part 1

Format	Color
Hex	64B051
RGB	100, 176, 81
RGB Percent	39%, 69%, 32%
CMY	0.6078, 0.3098, 0.6822
CMYK	0.43, 0.00, 0.54, 0.31
HSL	108°, 38%, 50%
HSV	108°, 54%, 69%
XYZ	22.2669, 34.3541, 13.2470
YIQ	142.4460, -14.8010, -45.6570

Conversions

Conversions Part 2

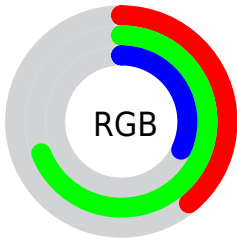
Format	Color
RYB	81, 176, 157
Decimal	6598737
CIELab	65.24, -41.95, 40.97
CIElCh	65, 58.640, 135.677
Yxy	34.3541, 0.3187, 0.4917
Android (android.graphics.Color)	4284788817 (0xFF64B051)
YUV	142.4460, -30.2929, -37.2251
Hunter-Lab	58.6124, -34.7592, 27.6285

Details

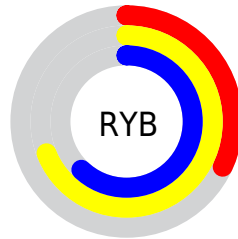
The Yxy color **34.3541, 0.3187, 0.4917** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **16.1947, 0.2947, 0.1933**, and the grayscale version is **27.3650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3752, 0.3203, 0.4561**, and **14.8003, 0.3113, 0.5506** is the 20% darker color. If you saturate the color by 10%, you get **33.3898, 0.3176, 0.5234**, and if you desaturate by 10%, it is **35.5286, 0.3188, 0.4584**.

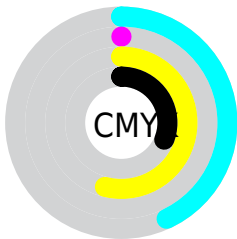
Distribution



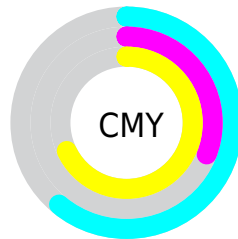
- Red (39%)
- Green (69%)
- Blue (32%)



- Red (32%)
- Yellow (69%)
- Blue (62%)



- Cyan (43%)
- Magenta (0%)
- Yellow (54%)
- Black (31%)





- Cyan (61%)
- Magenta (31%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3541, 0.3187, 0.4917 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 34.3541, 0.3187, 0.4917 by changing the saturation by 10% instead.


 34.3541, 0.3187,
0.4917


 34.3541, 0.3187,
0.4917


321.7081, 0.3199,
0.4011


 23.1658, 0.3163,
0.5171


 66.4839, 0.3205,
0.4566


 14.7160, 0.3116,
0.5509


 88.1942, 0.3207,
0.4441


 8.6203, 0.3020,
0.5977


 114.1806, 0.3208,
0.4338

 4.4943, 0.2896,
0.6833

 144.8276, 0.3207,
0.4251

 1.9538, 0.2288,
0.7712

 180.5194, 0.3205,
0.4178

 0.5804, 0.0000,
1.0000

221.6405, 0.3203,

 0.0000, 0.0000,

0.4114

0.0000

268.5752, 0.3201,
0.4059

■ 34.3541, 0.3187,
0.4917

■ 34.3541, 0.3187,
0.4917

■ 33.3898, 0.3176,
0.5234

■ 35.5286, 0.3188,
0.4584

■ 32.6189, 0.3156,
0.5512

■ 36.9203, 0.3182,
0.4253

■ 32.0286, 0.3127,
0.5733

■ 38.5414, 0.3170,
0.3939

■ 31.6030, 0.3090,
0.5881

■ 40.4017, 0.3153,
0.3648

■ 31.4118, 0.3070,
0.5944

■ 42.5105, 0.3135,
0.3386

■ 44.8767, 0.3115,
0.3153

■ 47.5085, 0.3095,
0.2947

■ 50.4140, 0.3075,
0.2767

■ 53.6008, 0.3056,
0.2610

Harmonies

Analogous

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



34.3541, 0.4018, 0.4857



34.3541, 0.3187, 0.4917



34.3541, 0.2385, 0.4268

Triad

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



34.3541, 0.3187, 0.4917



34.3541, 0.1722, 0.2057



34.3541, 0.4582, 0.3079

Complementary

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



34.3541, 0.3187, 0.4917



16.1947, 0.2947, 0.1933

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.



34.3541, 0.3772, 0.2528



34.3541, 0.3187, 0.4917



34.3541, 0.2131, 0.1964

Square

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



34.3541, 0.3187, 0.4917



34.3541, 0.1618, 0.2473



34.3541, 0.2848, 0.2134



34.3541, 0.4908, 0.3705

Rectangle

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



34.3541, 0.3187, 0.4917



34.3541, 0.1979, 0.3597



34.3541, 0.2848, 0.2134



34.3541, 0.4351, 0.2883

Sweetspot

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



34.3556, 0.3187, 0.4917



72.4515, 0.3157, 0.3713



33.9414, 0.4028, 0.4347



15.5520, 0.3161, 0.3770



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.



34.3556, 0.3187, 0.4917



60.2228, 0.3173, 0.5298



33.9176, 0.2870, 0.4484



9.5691, 0.3145, 0.3523



23.0671, 0.3076, 0.5940



0.7497, 0.3262, 0.5792

Inverse Universe

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



16.1947, 0.2947, 0.1933



23.7080, 0.2887, 0.1676



17.2421, 0.3575, 0.2357



8.5593, 0.3107, 0.3063



6.4693, 0.2715, 0.1269



0.2254, 0.2861, 0.1350

Previews

White Background



This preview shows how the Yxy color 34.3541, 0.3187, 0.4917 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 34.3541, 0.3187, 0.4917 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 34.3541, 0.3187, 0.4917

Background



This preview shows how black text looks on a background with the Yxy color 34.3541, 0.3187, 0.4917.



This preview shows how white text looks on a background with the Yxy color 34.3541, 0.3187, 0.4917.

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

34.3541, 0.3187, 0.4917

Protanopia

33.9604, 0.4046, 0.4440

Deuteranopia

33.7237, 0.4193, 0.4110



Tritanopia

34.3787, 0.2626, 0.3087

Trichromacy



Original Color

34.3541, 0.3187, 0.4917

Protanomaly

33.6491, 0.3696, 0.4636

Deuteranomaly

32.8231, 0.3799, 0.4400

Tritanomaly

34.1121, 0.2838, 0.3740

Monochromacy



Original Color

34.3541, 0.3187, 0.4917

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.9793, 0.3169, 0.3875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3541, 0.3187, 0.4917 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(100, 176, 81)` looks like.

```
.text, #text, p{  
    color:rgb(100, 176, 81)  
}
```

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(100, 176, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 176, 81) }
```

Border

The CSS property to change the border of an element to Yxy 34.3541, 0.3187, 0.4917 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(100, 176, 81) }
```

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

```
.border{ border-color:rgb(100, 176, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 176, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 176, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 176, 81);  
box-shadow:4px 4px 4px 4px rgb(100, 176,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3541, 0.3187, 0.4917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 176, 81) }
```

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

```
.background{ background-color: rgb(100,  
176, 81) }
```

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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