

Converting Colors

$Yxy(33.1612, 0.3264, 0.4757)$

Have a look what the booklet for
Yxy(33.1612, 0.3264, 0.4757)
contains.

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Color

Yxy(33.1612, 0.3264, 0.4757)

Conversions

Conversions Part 1

Format	Color
Hex	6FAB55
RGB	111, 171, 85
RGB Percent	44%, 67%, 33%
CMY	0.5649, 0.3294, 0.6667
CMYK	0.35, 0.00, 0.50, 0.33
HSL	102°, 34%, 50%
HSV	102°, 50%, 67%
XYZ	22.7534, 33.1612, 13.7957
YIQ	143.2560, -8.1540, -39.4660

Conversions

Conversions Part 2

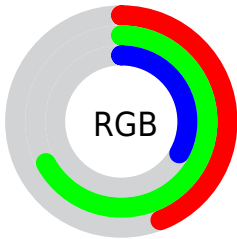
Format	Color
RYB	85, 171, 145
Decimal	7318357
CIELab	64.29, -35.62, 37.98
CIElCh	64, 52.072, 133.164
Yxy	33.1612, 0.3264, 0.4757
Android (android.graphics.Color)	4285508437 (0xFF6FAB55)
YUV	143.2560, -28.7202, -28.2885
Hunter-Lab	57.5858, -30.2457, 26.1061

Details

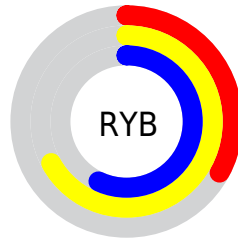
The Yxy color **33.1612, 0.3264, 0.4757** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **15.4635, 0.2854, 0.1980**, and the grayscale version is **27.6918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7151, 0.3261, 0.4450**, and **13.9838, 0.3230, 0.5288** is the 20% darker color. If you saturate the color by 10%, you get **32.1997, 0.3267, 0.5069**, and if you desaturate by 10%, it is **34.2948, 0.3250, 0.4436**.

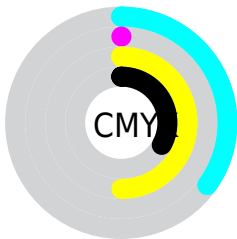
Distribution



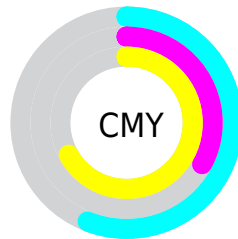
- Red (44%)
- Green (67%)
- Blue (33%)



- Red (33%)
- Yellow (67%)
- Blue (57%)



- Cyan (35%)
- Magenta (0%)
- Yellow (50%)
- Black (33%)





- Cyan (56%)
- Magenta (33%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.1612, 0.3264, 0.4757 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 33.1612, 0.3264, 0.4757 by changing the saturation by 10% instead.


 33.1612, 0.3264,
0.4757


 33.1612, 0.3264,
0.4757


316.3755, 0.3227,
0.3941


 22.2500, 0.3256,
0.4986


 64.6271, 0.3261,
0.4441


 14.0407, 0.3233,
0.5294


 85.9506, 0.3257,
0.4328


 8.1490, 0.3173,
0.5721


 111.5136, 0.3251,
0.4235

 4.1904, 0.3095,
0.6483

 141.7005, 0.3246,
0.4157

 1.7806, 0.2626,
0.7374

 176.8958, 0.3241,
0.4091

 0.4751, 0.0000,
1.0000

217.4838, 0.3236,

 0.0000, 0.0000,

0.4034

0.0000

263.8489, 0.3231,
0.3985

■ 33.1612, 0.3264,
0.4757

■ 33.1612, 0.3264,
0.4757

■ 32.1997, 0.3267,
0.5069

■ 34.2948, 0.3250,
0.4436

■ 31.3971, 0.3255,
0.5353

■ 35.6044, 0.3226,
0.4121

■ 30.7451, 0.3230,
0.5591

■ 37.0991, 0.3196,
0.3822

■ 30.2324, 0.3190,
0.5767

■ 38.7859, 0.3163,
0.3547

■ 29.8498, 0.3146,
0.5884

■ 40.6718, 0.3128,
0.3297

■ 42.7630, 0.3093,
0.3073

■ 45.0656, 0.3058,
0.2875

■ 47.5857, 0.3025,
0.2700

■ 50.3287, 0.2993,
0.2546

Harmonies

Analogous

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



33.1612, 0.4013, 0.4688



33.1612, 0.3264, 0.4757



33.1612, 0.2519, 0.4226

Triad

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



33.1612, 0.3264, 0.4757



33.1612, 0.1819, 0.2188



33.1612, 0.4388, 0.3063

Complementary

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



33.1612, 0.3264, 0.4757



15.4635, 0.2854, 0.1980

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.



33.1612, 0.3642, 0.2559



33.1612, 0.3264, 0.4757



33.1612, 0.2178, 0.2071

Square

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



33.1612, 0.3264, 0.4757



33.1612, 0.1749, 0.2608



33.1612, 0.2816, 0.2208



33.1612, 0.4732, 0.3643

Rectangle

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



33.1612, 0.3264, 0.4757



33.1612, 0.2128, 0.3648



33.1612, 0.2816, 0.2208



33.1612, 0.4170, 0.2883

Sweetspot

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



33.1626, 0.3264, 0.4757



67.9076, 0.3180, 0.3681



29.1938, 0.4036, 0.4153



15.0074, 0.3187, 0.3738



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



33.1626, 0.3264, 0.4757



57.5390, 0.3266, 0.5092



31.9969, 0.2950, 0.4572



9.0521, 0.3160, 0.3521



22.5234, 0.3152, 0.5879



0.6555, 0.3399, 0.5683

Inverse Universe

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



15.4635, 0.2854, 0.1980



22.2750, 0.2772, 0.1719



17.5313, 0.3390, 0.2287



8.0250, 0.3091, 0.3063



5.2235, 0.2470, 0.1134



0.1721, 0.2704, 0.1263

Previews

White Background



This preview shows how the Yxy color 33.1612, 0.3264, 0.4757 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 33.1612, 0.3264, 0.4757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

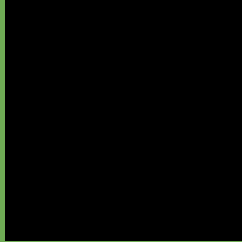
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1612, 0.3264, 0.4757

Background



This preview shows how black text looks on a background with the Yxy color 33.1612, 0.3264, 0.4757.



This preview shows how white text looks on a background with the Yxy color 33.1612, 0.3264, 0.4757.

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

33.1612, 0.3264, 0.4757

Protanopia

32.6798, 0.3997, 0.4360

Deuteranopia

32.7540, 0.4148, 0.4060



Tritanopia

32.9814, 0.2713, 0.3087

Trichromacy



Original Color

33.1612, 0.3264, 0.4757

Protanomaly

32.4885, 0.3703, 0.4512

Deuteranomaly

32.0753, 0.3805, 0.4299

Tritanomaly

32.9282, 0.2923, 0.3670

Monochromacy



Original Color

33.1612, 0.3264, 0.4757

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

29.0129, 0.3192, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1612, 0.3264, 0.4757 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, 171, 85)` looks like.

```
.text, #text, p{  
    color:rgb(111, 171, 85)  
}
```

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, 171, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 171, 85) }
```

Border

The CSS property to change the border of an element to Yxy 33.1612, 0.3264, 0.4757 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, 171, 85) }
```

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

```
.border{ border-color:rgb(111, 171, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 171, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 171, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 171, 85);  
box-shadow:4px 4px 4px 4px rgb(111, 171,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1612, 0.3264, 0.4757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 171, 85) }
```

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

```
.background{ background-color: rgb(111,  
171, 85) }
```

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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