

Converting Colors

$Y_{xy}(33.5860, 0.4642, 0.4012)$

Have a look what the booklet for
Yxy(33.5860, 0.4642, 0.4012)
contains.

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Color

Yxy(33.5860, 0.4642, 0.4012)

Conversions

Conversions Part 1

Format	Color
Hex	D88B4C
RGB	216, 139, 76
RGB Percent	85%, 55%, 30%
CMY	0.1529, 0.4549, 0.7020
CMYK	0.00, 0.36, 0.65, 0.15
HSL	27°, 64%, 57%
HSV	27°, 65%, 85%
XYZ	38.8600, 33.5860, 11.2679
YIQ	154.8410, 66.1150, -3.2690

Conversions

Conversions Part 2

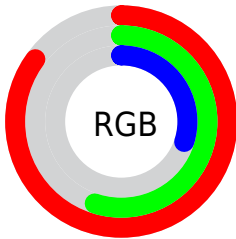
Format	Color
R_{YB}	216, 191, 76
Decimal	14191436
CIE Lab	64.63, 23.55, 45.12
CIE LCh	65, 50.897, 62.444
Yxy	33.5860, 0.4642, 0.4012
Android (android.graphics.Color)	4292381516 (0xFFD88B4C)
YUV	154.8410, -38.8686, 53.6364
Hunter-Lab	57.9534, 18.2725, 29.0396

Details

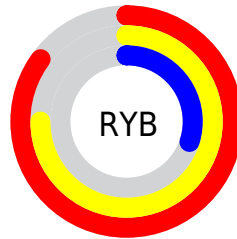
The Yxy color **33.5860, 0.4642, 0.4012** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **29.2779, 0.2137, 0.2337**, and the grayscale version is **32.8577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9322, 0.4178, 0.3969**, and **14.2267, 0.5074, 0.4103** is the 20% darker color. If you saturate the color by 10%, you get **30.0804, 0.4940, 0.4060**, and if you desaturate by 10%, it is **37.5698, 0.4345, 0.3928**.

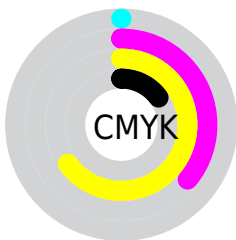
Distribution



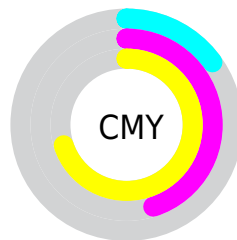
- Red (85%)
- Green (55%)
- Blue (30%)



- Red (85%)
- Yellow (75%)
- Blue (30%)



- Cyan (0%)
- Magenta (36%)
- Yellow (65%)
- Black (15%)





- Cyan (15%)
- Magenta (45%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5860, 0.4642, 0.4012 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 33.5860, 0.4642, 0.4012 by changing the saturation by 10% instead.


 33.5860, 0.4642,
0.4012


 33.5860, 0.4642,
0.4012


318.2821, 0.3862,
0.3696


 22.5757, 0.4831,
0.4065


 65.2893, 0.4359,
0.3914

 14.2806, 0.5064,
0.4113


 86.7512, 0.4252,
0.3872


 8.3161, 0.5351,
0.4140


 112.4657, 0.4162,
0.3834

 4.2978, 0.5812,
0.4188

 142.8173, 0.4084,
0.3800

 1.8415, 0.6086,
0.3914

 178.1904, 0.4017,
0.3770

 0.5129, 0.6784,
0.3216

218.9692, 0.3959,

 0.0000, 1.0000,

0.3743

0.0000

265.5383, 0.3907,
0.3718

0.0000, 0.0000,
0.0000

33.5860, 0.4642,
0.4012

33.5860, 0.4642,
0.4012

30.0804, 0.4940,
0.4060

37.5698, 0.4345,
0.3928

27.0254, 0.5219,
0.4059

42.0472, 0.4064,
0.3821

24.3973, 0.5459,
0.4003

47.0388, 0.3807,
0.3702

23.1898, 0.5570,
0.3960

52.5624, 0.3578,
0.3579

58.6348, 0.3378,
0.3459

■ 65.2720, 0.3203,
0.3343

■ 72.4892, 0.3052,
0.3235

■ 80.3010, 0.2921,
0.3135

■ 87.6897, 0.2891,
0.3196

Harmonies

Analogous

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



33.5860, 0.4628, 0.3433



33.5860, 0.4642, 0.4012



33.5860, 0.4220, 0.4524

Triad

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



33.5860, 0.4642, 0.4012



33.5860, 0.2165, 0.3660



33.5860, 0.2573, 0.2158

Complementary

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



33.5860, 0.4642, 0.4012



29.2779, 0.2137, 0.2337

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.



33.5860, 0.2042, 0.2109



33.5860, 0.4642, 0.4012



33.5860, 0.1826, 0.2853

Square

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



33.5860, 0.4642, 0.4012



33.5860, 0.2783, 0.4444



33.5860, 0.1791, 0.2325



33.5860, 0.3334, 0.2432

Rectangle

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



33.5860, 0.4642, 0.4012



33.5860, 0.3781, 0.4728



33.5860, 0.1791, 0.2325



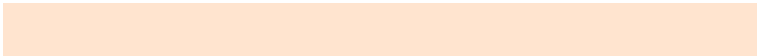
33.5860, 0.2366, 0.2114

Sweetspot

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



33.5877, 0.4642, 0.4012



81.4238, 0.3462, 0.3511



22.1458, 0.3985, 0.2394



16.8857, 0.3520, 0.3546



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



33.5877, 0.4642, 0.4012



41.9822, 0.5052, 0.4066



59.5963, 0.4082, 0.4690



13.3318, 0.3280, 0.3395



13.9322, 0.5544, 0.3980



1.0043, 0.5253, 0.4211

Inverse Universe

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



29.2779, 0.2137, 0.2337



35.1534, 0.1978, 0.2092



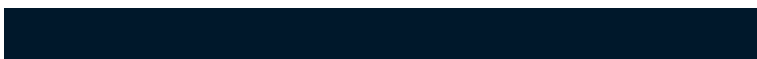
13.0413, 0.1899, 0.1328



13.1296, 0.2982, 0.3182



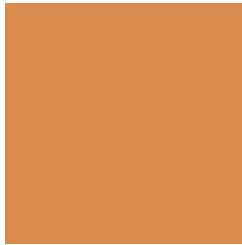
10.9344, 0.1821, 0.1757



0.8238, 0.1902, 0.2045

Previews

White Background



This preview shows how the Yxy color 33.5860, 0.4642, 0.4012 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 33.5860, 0.4642, 0.4012 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 33.5860, 0.4642, 0.4012

Background



This preview shows how black text looks on a background with the Yxy color 33.5860, 0.4642, 0.4012.



This preview shows how white text looks on a background with the Yxy color 33.5860, 0.4642, 0.4012.

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

33.5860, 0.4642, 0.4012

Protanopia

33.6074, 0.3988, 0.4350

Deuteranopia

33.7631, 0.4342, 0.4267



Tritanopia

33.3713, 0.4034, 0.3172

Trichromacy



Original Color

33.5860, 0.4642, 0.4012

Protanomaly

33.2107, 0.4231, 0.4215

Deuteranomaly

33.6087, 0.4453, 0.4172

Tritanomaly

33.3946, 0.4290, 0.3498

Monochromacy



Original Color

33.5860, 0.4642, 0.4012

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.3484, 0.3657, 0.3624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5860, 0.4642, 0.4012 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(216, 139, 76)` looks like.

```
.text, #text, p{  
    color:rgb(216, 139, 76)  
}
```

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(216, 139, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 139, 76) }
```

Border

The CSS property to change the border of an element to Yxy 33.5860, 0.4642, 0.4012 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(216, 139, 76) }
```

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

```
.border{ border-color:rgb(216, 139, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 139, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 139, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 139, 76);  
box-shadow:4px 4px 4px 4px rgb(216, 139,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5860, 0.4642, 0.4012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 139, 76) }
```

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

```
.background{ background-color: rgb(216,  
139, 76) }
```

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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