

Converting Colors

$Y_{xy}(11.8335, 0.4216, 0.4578)$

Have a look what the booklet for
Yxy(11.8335, 0.4216, 0.4578)
contains.

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Color

Yxy(11.7905, 0.4217, 0.4567)

Conversions

Conversions Part 1

Format	Color
Hex	6E6021
RGB	110, 96, 33
RGB Percent	43%, 38%, 13%
CMY	0.5687, 0.6235, 0.8707
CMYK	0.00, 0.13, 0.70, 0.57
HSL	49°, 54%, 28%
HSV	49°, 70%, 43%
XYZ	10.8869, 11.7905, 3.1393
YIQ	93.0040, 28.5670, -16.6250

Conversions

Conversions Part 2

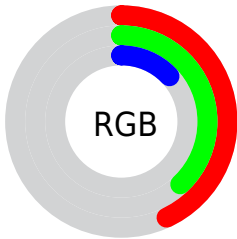
Format	Color
R_{YB}	50, 110, 33
Decimal	7233569
CIE _{Lab}	40.88, -2.35, 36.74
CIE _{LCh}	41, 36.819, 93.665
Yxy	11.7905, 0.4217, 0.4567
Android (android.graphics.Color)	4285423649 (0xFF6E6021)
YUV	93.0040, -29.5820, 14.9055
Hunter-Lab	34.3373, -3.4954, 18.6155

Details

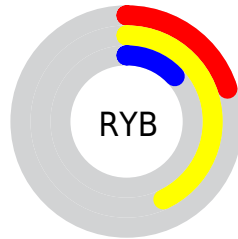
The Yxy color **11.7905, 0.4217, 0.4567** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.4792, 0.1927, 0.1505**, and the grayscale version is **11.0124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0444, 0.3977, 0.4266**, and **3.2419, 0.4475, 0.4829** is the 20% darker color. If you saturate the color by 10%, you get **11.3793, 0.4343, 0.4672**, and if you desaturate by 10%, it is **12.2323, 0.4072, 0.4427**.

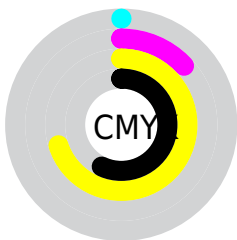
Distribution



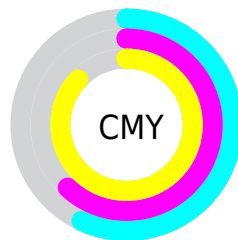
- Red (43%)
- Green (38%)
- Blue (13%)



- Red (20%)
- Yellow (43%)
- Blue (13%)



- Cyan (0%)
- Magenta (13%)
- Yellow (70%)
- Black (57%)





- Cyan (57%)
- Magenta (62%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.7905, 0.4217, 0.4567 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 11.7905, 0.4217, 0.4567 by changing the saturation by 10% instead.


 11.7905, 0.4217,
0.4567


 11.7905, 0.4217,
0.4567


 203.0134, 0.3587,
0.3816


 6.6012, 0.4382,
0.4775


 29.1130, 0.3973,
0.4271


 3.2140, 0.4761,
0.5239

 42.0149, 0.3885,
0.4165

 1.2444, 0.4719,
0.5281

 58.2565, 0.3812,
0.4080

 0.0976, 0.2656,
0.7344

 78.2222, 0.3752,
0.4008

 0.0000, 0.0000,
0.0000

 102.2963, 0.3701,
0.3949

 130.8633, 0.3657,

0.3898

164.3075, 0.3620,
0.3854

11.7905, 0.4217,
0.4567

11.7905, 0.4217,
0.4567

11.3793, 0.4343,
0.4672

12.2323, 0.4072,
0.4427

10.9948, 0.4446,
0.4738

12.7048, 0.3914,
0.4259

10.6295, 0.4536,
0.4780

13.2102, 0.3750,
0.4073

13.7500, 0.3586,
0.3877

14.3257, 0.3425,
0.3677

■ 14.9384, 0.3272,
0.3480

■ 15.5895, 0.3127,
0.3290

■ 16.2800, 0.2994,
0.3110

■ 17.0111, 0.2871,
0.2941

Harmonies

Analogous

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



11.7905, 0.4667, 0.4046



11.7905, 0.4217, 0.4567



11.7905, 0.3510, 0.4793

Triad

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



11.7905, 0.4217, 0.4567



11.7905, 0.1790, 0.2812



11.7905, 0.3372, 0.2429

Complementary

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



11.7905, 0.4217, 0.4567



3.4792, 0.1927, 0.1505

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.



11.7905, 0.2587, 0.2141



11.7905, 0.4217, 0.4567



11.7905, 0.1768, 0.2287

Square

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



11.7905, 0.4217, 0.4567



11.7905, 0.2121, 0.3632



11.7905, 0.2035, 0.2080



11.7905, 0.4180, 0.2892

Rectangle

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



11.7905, 0.4217, 0.4567



11.7905, 0.2992, 0.4635



11.7905, 0.2035, 0.2080



11.7905, 0.3093, 0.2311

Sweetspot

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



11.7911, 0.4217, 0.4567



25.0018, 0.3449, 0.3708



4.6073, 0.4897, 0.3013



5.7703, 0.3481, 0.3748



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



11.7911, 0.4217, 0.4567



19.5612, 0.4410, 0.4718



13.2198, 0.3662, 0.5017



3.8183, 0.3257, 0.3461



12.7332, 0.4540, 0.4777



62.2790, 0.4562, 0.4759

Inverse Universe

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



3.4792, 0.1927, 0.1505



4.0064, 0.1700, 0.1095



3.0930, 0.2180, 0.1331



3.3895, 0.2996, 0.3113



1.9174, 0.1560, 0.0817



8.6080, 0.1541, 0.0746

Previews

White Background



This preview shows how the Yxy color 11.7905, 0.4217, 0.4567 looks on a white background.

Color Contrast Check

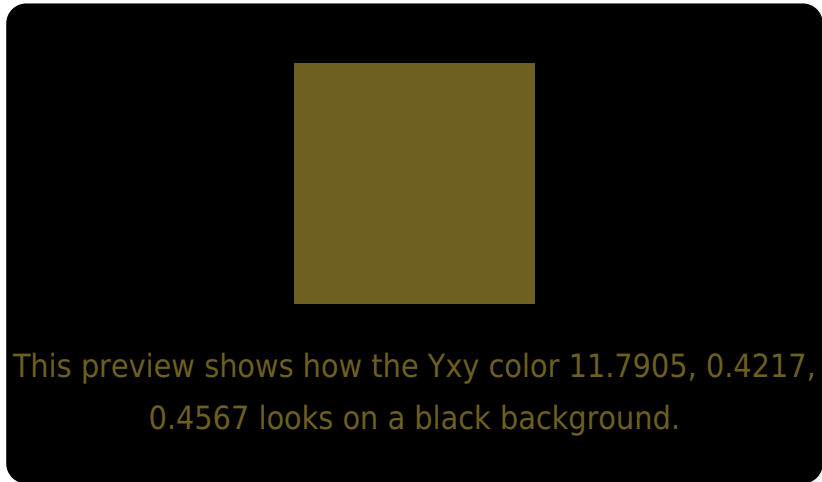
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

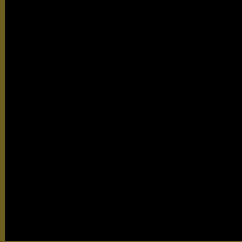
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7905, 0.4217, 0.4567

Background



This preview shows how black text looks on a background with the Yxy color 11.7905, 0.4217, 0.4567.



This preview shows how white text looks on a background with the Yxy color 11.7905, 0.4217, 0.4567.

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

11.7905, 0.4217, 0.4567

Protanopia

11.8473, 0.4170, 0.4603

Deuteranopia

11.8347, 0.4445, 0.4383



Tritanopia

11.8202, 0.3425, 0.3142

Trichromacy



Original Color

11.7905, 0.4217, 0.4567

Protanomaly

11.9104, 0.4186, 0.4593

Deuteranomaly

11.7261, 0.4365, 0.4436

Tritanomaly

11.6594, 0.3753, 0.3685

Monochromacy



Original Color

11.7905, 0.4217, 0.4567

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.1130, 0.3551, 0.3837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7905, 0.4217, 0.4567 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(110, 96, 33)` looks like.

```
.text, #text, p{  
    color:rgb(110, 96, 33)  
}
```

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(110, 96, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 96, 33) }
```

Border

The CSS property to change the border of an element to Yxy 11.7905, 0.4217, 0.4567 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(110, 96, 33) }
```

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

```
.border{ border-color:rgb(110, 96, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 96, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 96, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 96, 33);  
box-shadow:4px 4px 4px 4px rgb(110, 96,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7905, 0.4217, 0.4567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 96, 33) }
```

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

```
.background{ background-color: rgb(110, 96,  
33) }
```

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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