

Converting Colors

$Y_{xy}(12.6200, 0.4688, 0.4660)$

Have a look what the booklet for
Yxy(12.6200, 0.4688, 0.4660)
contains.

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Color

Yxy(12.6200, 0.4688, 0.4660)

Conversions

Conversions Part 1

Format	Color
Hex	7E5F00
RGB	126, 95, 0
RGB Percent	49%, 37%, 0%
CMY	0.5059, 0.6274, 1.0000
CMYK	0.00, 0.25, 1.00, 0.51
HSL	45°, 100%, 25%
HSV	45°, 100%, 49%
XYZ	12.6958, 12.6200, 1.7657
YIQ	93.4390, 48.9710, -22.9730

Conversions

Conversions Part 2

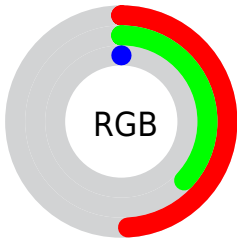
Format	Color
RYB	41, 126, 0
Decimal	8281856
CIELab	42.19, 4.79, 49.70
CIElCh	42, 49.926, 84.491
Yxy	12.6200, 0.4688, 0.4660
Android (android.graphics.Color)	4286471936 (0xFF7E5F00)
YUV	93.4390, -46.0654, 28.5560
Hunter-Lab	35.5246, 1.6244, 21.9203

Details

The Yxy color **12.6200, 0.4688, 0.4660** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.4857, 0.1592, 0.0930**, and the grayscale version is **11.1565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6338, 0.4379, 0.4406**, and **3.5743, 0.4812, 0.4561** is the 20% darker color. If you saturate the color by 10%, you get **12.6207, 0.4688, 0.4660**, and if you desaturate by 10%, it is **13.2183, 0.4579, 0.4638**.

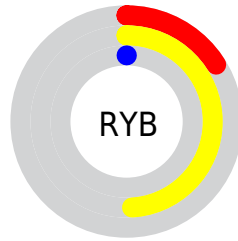
Distribution



Red (49%)

Green (37%)

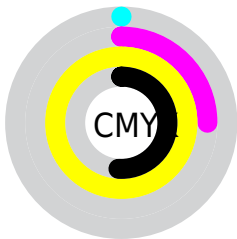
Blue (0%)



Red (16%)

Yellow (49%)

Blue (0%)

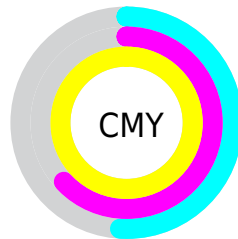


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (51%)



Cyan (51%)


Magenta (63%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6200, 0.4688, 0.4660 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 12.6200, 0.4688, 0.4660 by changing the saturation by 10% instead.

 12.6200, 0.4688,
0.4660


 12.6200, 0.4688,
0.4660


 208.4677, 0.3825,
0.3935


 7.1674, 0.4907,
0.4821


 30.6194, 0.4377,
0.4414


 3.5670, 0.5088,
0.4912

 43.9350, 0.4256,
0.4312


 1.4344, 0.5163,
0.4837

 60.6403, 0.4153,
0.4225

 0.2419, 0.5892,
0.4108

 81.1199, 0.4067,
0.4150


 0.0000, 0.0000,
0.0000


 105.7580, 0.3993,
0.4085


 134.9391, 0.3929,


0.4028


 169.0475, 0.3874,
0.3979


 12.6200, 0.4688,
0.4660


 12.6200, 0.4688,
0.4660


 12.6207, 0.4688,
0.4660

 13.2183, 0.4579,
0.4638

 13.8533, 0.4455,
0.4587

 14.5356, 0.4306,
0.4493

 15.2684, 0.4139,
0.4362

 16.0544, 0.3962,
0.4204

■ 16.8961, 0.3782,
0.4027

■ 17.7957, 0.3605,
0.3841

■ 18.7553, 0.3435,
0.3653

■ 19.7769, 0.3275,
0.3468

Harmonies

Analogous

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



12.6200, 0.5178, 0.3923



12.6200, 0.4688, 0.4660



12.6200, 0.3838, 0.5229

Triad

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



12.6200, 0.4688, 0.4660



12.6200, 0.1520, 0.2913



12.6200, 0.3092, 0.2073

Complementary

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



12.6200, 0.4688, 0.4660



2.4857, 0.1592, 0.0930

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.



12.6200, 0.2174, 0.1803



12.6200, 0.4688, 0.4660



12.6200, 0.1405, 0.2138

Square

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



12.6200, 0.4688, 0.4660



12.6200, 0.2016, 0.4115



12.6200, 0.1620, 0.1806



12.6200, 0.4206, 0.2572

Rectangle

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



12.6200, 0.4688, 0.4660



12.6200, 0.3191, 0.5269



12.6200, 0.1620, 0.1806



12.6200, 0.2749, 0.1955

Sweetspot

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



12.6207, 0.4688, 0.4660



31.2120, 0.3617, 0.3855



4.5369, 0.5853, 0.2998



6.9736, 0.3678, 0.3919



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



12.6207, 0.4688, 0.4660



21.9881, 0.4701, 0.4649



17.3267, 0.3771, 0.5388



4.8459, 0.3261, 0.3452



12.9417, 0.4688, 0.4659



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.4857, 0.1592, 0.0930



4.1787, 0.1582, 0.0894



1.8054, 0.1671, 0.0694



4.3703, 0.2993, 0.3123



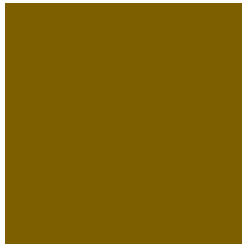
2.5443, 0.1591, 0.0928



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 12.6200, 0.4688, 0.4660 looks on a white background.

Color Contrast Check

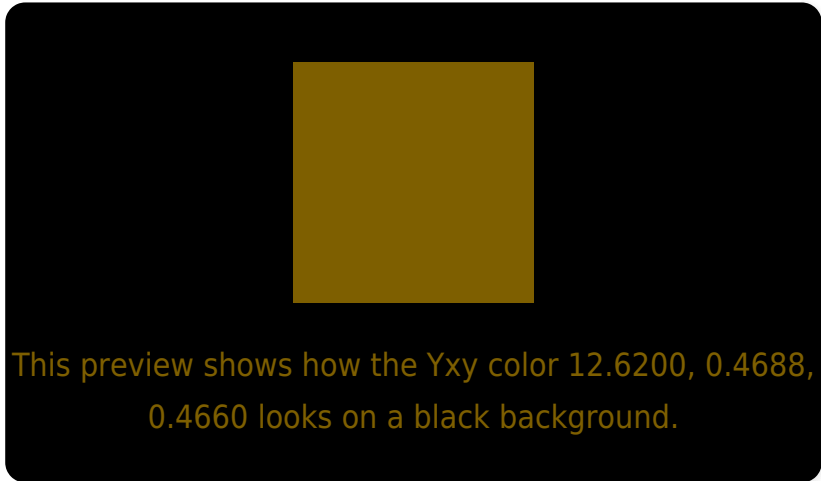
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6200, 0.4688, 0.4660

Background



This preview shows how black text looks on a background with the Yxy color 12.6200, 0.4688, 0.4660.



This preview shows how white text looks on a background with the Yxy color 12.6200, 0.4688, 0.4660.

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

12.6200, 0.4688, 0.4660

Protanopia

12.6404, 0.4372, 0.4846

Deuteranopia

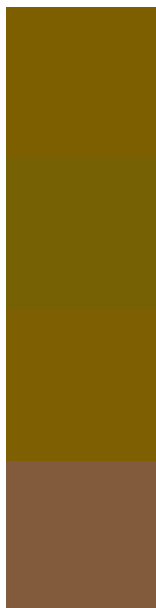
12.6266, 0.4675, 0.4643



Tritanopia

12.6310, 0.3727, 0.3156

Trichromacy



Original Color

12.6200, 0.4688, 0.4660

Protanomaly

12.5957, 0.4497, 0.4775

Deuteranomaly

12.6244, 0.4679, 0.4649

Tritanomaly

12.4755, 0.4246, 0.3892

Monochromacy



Original Color

12.6200, 0.4688, 0.4660

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.3244, 0.3832, 0.4087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6200, 0.4688, 0.4660 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(126, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(126, 95, 0)  
}
```

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(126, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 95, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.6200, 0.4688, 0.4660 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(126, 95, 0) }
```

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

```
.border{ border-color:rgb(126, 95, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 95, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 95, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 95, 0);  
box-shadow:4px 4px 4px 4px rgb(126, 95, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.6200, 0.4688, 0.4660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 95, 0) }
```

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

```
.background{ background-color: rgb(126, 95,  
0) }
```

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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