

Converting Colors

$Y_{xy}(12.1561, 0.4621, 0.4657)$

Have a look what the booklet for
Yxy(12.1561, 0.4621, 0.4657)
contains.

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Color

Yxy(12.1561, 0.4621, 0.4657)

Conversions

Conversions Part 1

Format	Color
Hex	7A5E06
RGB	122, 94, 6
RGB Percent	48%, 37%, 2%
CMY	0.5216, 0.6314, 0.9762
CMYK	0.00, 0.23, 0.95, 0.52
HSL	46°, 91%, 25%
HSV	46°, 95%, 48%
XYZ	12.0621, 12.1561, 1.8846
YIQ	92.3400, 44.9360, -21.4320

Conversions

Conversions Part 2

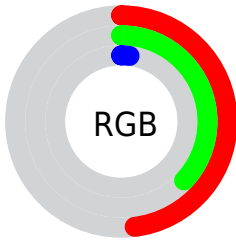
Format	Color
RYB	43, 122, 6
Decimal	8019462
CIELab	41.46, 3.58, 47.34
CIELCh	41, 47.474, 85.677
Yxy	12.1561, 0.4621, 0.4657
Android (android.graphics.Color)	4286209542 (0xFF7A5E06)
YUV	92.3400, -42.5656, 26.0118
Hunter-Lab	34.8656, 0.7392, 21.2011

Details

The Yxy color **12.1561, 0.4621, 0.4657** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.5921, 0.1636, 0.1019**, and the grayscale version is **10.8797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7593, 0.4312, 0.4394**, and **3.3791, 0.4772, 0.4593** is the 20% darker color. If you saturate the color by 10%, you get **11.8854, 0.4675, 0.4670**, and if you desaturate by 10%, it is **12.7221, 0.4509, 0.4624**.

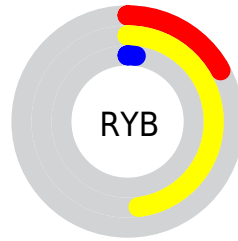
Distribution



Red (48%)

Green (37%)

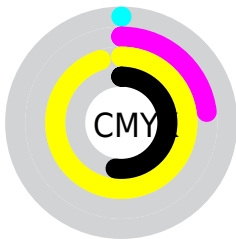
Blue (2%)



Red (17%)

Yellow (48%)

Blue (2%)

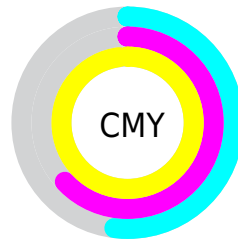


Cyan (0%)

Magenta (23%)

Yellow (95%)

Black (52%)



Cyan (52%)


Magenta (63%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1561, 0.4621, 0.4657 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 12.1561, 0.4621, 0.4657 by changing the saturation by 10% instead.


 12.1561, 0.4621,
0.4657


 12.1561, 0.4621,
0.4657


 205.4360, 0.3786,
0.3916


 6.8501, 0.4833,
0.4827


 29.7791, 0.4315,
0.4397


 3.3685, 0.5037,
0.4963

 42.8649, 0.4198,
0.4293


 1.3270, 0.5096,
0.4904

 59.3127, 0.4099,
0.4204

 0.1620, 0.5984,
0.4016


 79.5069, 0.4016,
0.4129


 0.0000, 0.0000,
0.0000


 103.8319, 0.3945,
0.4064


 132.6722, 0.3884,

0.4008


 166.4121, 0.3832,
0.3959


 12.1561, 0.4621,
0.4657

 12.1561, 0.4621,
0.4657


 11.8854, 0.4675,
0.4670

 12.7221, 0.4509,
0.4624

 13.3280, 0.4374,
0.4549

 13.9786, 0.4217,
0.4435

 14.6766, 0.4046,
0.4289

 15.4244, 0.3868,
0.4120

■ 16.2241, 0.3690,
0.3937

■ 17.0777, 0.3517,
0.3749

■ 17.9871, 0.3353,
0.3561

■ 18.9540, 0.3200,
0.3379

Harmonies

Analogous

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



12.1561, 0.5104, 0.3947



12.1561, 0.4621, 0.4657



12.1561, 0.3792, 0.5175

Triad

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



12.1561, 0.4621, 0.4657



12.1561, 0.1557, 0.2894



12.1561, 0.3137, 0.2124

Complementary

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



12.1561, 0.4621, 0.4657



2.5921, 0.1636, 0.1019

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.



12.1561, 0.2234, 0.1851



12.1561, 0.4621, 0.4657



12.1561, 0.1455, 0.2158

Square

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



12.1561, 0.4621, 0.4657



12.1561, 0.2030, 0.4035



12.1561, 0.1677, 0.1844



12.1561, 0.4208, 0.2620

Rectangle

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



12.1561, 0.4621, 0.4657



12.1561, 0.3162, 0.5178



12.1561, 0.1677, 0.1844



12.1561, 0.2802, 0.2005

Sweetspot

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



12.1567, 0.4621, 0.4657



29.3305, 0.3597, 0.3837



4.3910, 0.5678, 0.2970



6.5893, 0.3657, 0.3902



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



12.1567, 0.4621, 0.4657



20.6922, 0.4689, 0.4659



16.2610, 0.3776, 0.5336



4.4777, 0.3260, 0.3452



12.4998, 0.4677, 0.4669



58.2508, 0.4707, 0.4644

Inverse Universe

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



2.5921, 0.1636, 0.1019



3.8700, 0.1580, 0.0889



1.8950, 0.1729, 0.0767



4.0363, 0.2994, 0.3123



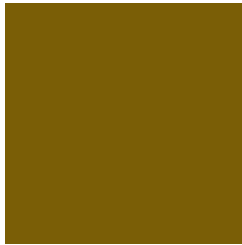
2.4169, 0.1590, 0.0922



10.3911, 0.1568, 0.0844

Previews

White Background



This preview shows how the Yxy color 12.1561, 0.4621, 0.4657 looks on a white background.

Color Contrast Check

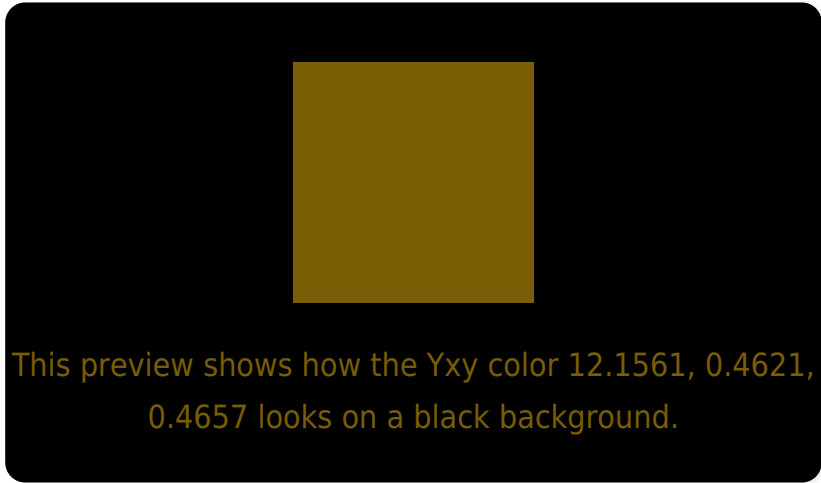
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1561, 0.4621, 0.4657

Background



This preview shows how black text looks on a background with the Yxy color 12.1561, 0.4621, 0.4657.



This preview shows how white text looks on a background with the Yxy color 12.1561, 0.4621, 0.4657.

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

12.1561, 0.4621, 0.4657

Protanopia

12.1346, 0.4366, 0.4829

Deuteranopia

12.1313, 0.4661, 0.4608



Tritanopia

12.1366, 0.3683, 0.3152

Trichromacy



Original Color

12.1561, 0.4621, 0.4657

Protanomaly

12.2118, 0.4451, 0.4773

Deuteranomaly

12.0550, 0.4650, 0.4625

Tritanomaly

12.0201, 0.4162, 0.3853

Monochromacy



Original Color

12.1561, 0.4621, 0.4657

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.0492, 0.3777, 0.4032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1561, 0.4621, 0.4657 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(122, 94, 6)` looks like.

```
.text, #text, p{  
    color:rgb(122, 94, 6)  
}
```

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(122, 94, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 94, 6) }
```

Border

The CSS property to change the border of an element to Yxy 12.1561, 0.4621, 0.4657 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(122, 94, 6) }
```

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

```
.border{ border-color:rgb(122, 94, 6) }
```

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

Here you see how a box with a 4 pixel rgb(122, 94, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 94, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 94, 6);  
box-shadow:4px 4px 4px 4px rgb(122, 94, 6)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.1561, 0.4621, 0.4657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 94, 6) }
```

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

```
.background{ background-color: rgb(122, 94,  
6) }
```

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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