

Converting Colors

$Y_{xy}(11.8825, 0.4680, 0.5037)$

Have a look what the booklet for
Yxy(11.8825, 0.4680, 0.5037)
contains.

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Color

$Y_{xy}(12.0106, 0.4503, 0.4806)$

Conversions

Conversions Part 1

Format	Color
Hex	736000
RGB	115, 96, 0
RGB Percent	45%, 38%, 0%
CMY	0.5490, 0.6235, 0.9997
CMYK	0.00, 0.17, 1.00, 0.55
HSL	50°, 100%, 23%
HSV	50°, 100%, 45%
XYZ	11.2534, 12.0106, 1.7269
YIQ	90.7370, 42.1400, -25.8280

Conversions

Conversions Part 2

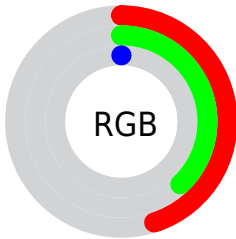
Format	Color
R_YB	23, 115, 0
Decimal	7561216
CIE Lab	41.23, -1.17, 48.43
CIE LCh	41, 48.443, 91.390
Yxy	12.0106, 0.4503, 0.4806
Android (android.graphics.Color)	4285751296 (0xFF736000)
YUV	90.7370, -44.7333, 21.2787
Hunter-Lab	34.6563, -2.6872, 21.3051

Details

The Yxy color **12.0106, 0.4503, 0.4806** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.7060, 0.1555, 0.0797**, and the grayscale version is **10.4972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4093, 0.4233, 0.4507**, and **3.3053, 0.4528, 0.4786** is the 20% darker color. If you saturate the color by 10%, you get **12.0091, 0.4503, 0.4806**, and if you desaturate by 10%, it is **12.3876, 0.4420, 0.4765**.

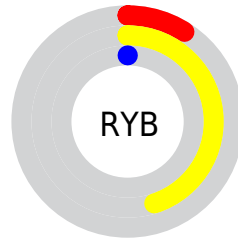
Distribution



Red (45%)

Green (38%)

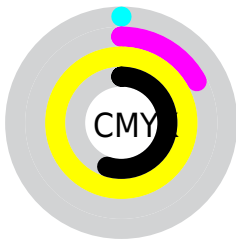
Blue (0%)



Red (9%)

Yellow (45%)

Blue (0%)

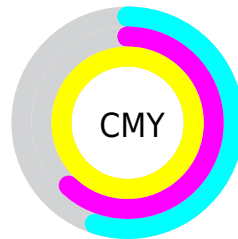


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (55%)



Cyan (55%)


Magenta (62%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0106, 0.4503, 0.4806 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 12.0106, 0.4503, 0.4806 by changing the saturation by 10% instead.


 12.0106, 0.4503,
0.4806


 12.0106, 0.4503,
0.4806


 204.4755, 0.3748,
0.3965


 6.7509, 0.4693,
0.5024


 29.5144, 0.4234,
0.4503


 3.3068, 0.4818,
0.5182

 42.5273, 0.4128,
0.4384

 1.2939, 0.4798,
0.5202

 58.8934, 0.4038,
0.4284

 0.1365, 0.4254,
0.5746

 78.9971, 0.3962,
0.4200


 0.0000, 0.0000,
0.0000


 103.2227, 0.3896,
0.4128


 131.9547, 0.3840,

0.4066


 165.5775, 0.3791,
0.4012

 12.0106, 0.4503,
0.4806

 12.0106, 0.4503,
0.4806


 12.0091, 0.4503,
0.4806

 12.3876, 0.4420,
0.4765

 12.7838, 0.4324,
0.4698

 13.2084, 0.4203,
0.4592

 13.6640, 0.4062,
0.4449

 14.1525, 0.3908,
0.4279

■ 14.6758, 0.3747,
0.4089

■ 15.2355, 0.3584,
0.3889

■ 15.8331, 0.3424,
0.3685

■ 16.4701, 0.3271,
0.3484

Harmonies

Analogous

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



12.0106, 0.5090, 0.4090



12.0106, 0.4503, 0.4806



12.0106, 0.3617, 0.5260

Triad

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



12.0106, 0.4503, 0.4806



12.0106, 0.1480, 0.2700



12.0106, 0.3342, 0.2182

Complementary

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



12.0106, 0.4503, 0.4806



1.7060, 0.1555, 0.0797

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.



12.0106, 0.2364, 0.1857



12.0106, 0.4503, 0.4806



12.0106, 0.1443, 0.2042

Square

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



12.0106, 0.4503, 0.4806



12.0106, 0.1882, 0.3814



12.0106, 0.1730, 0.1795



12.0106, 0.4425, 0.2719

Rectangle

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



12.0106, 0.4503, 0.4806



12.0106, 0.2972, 0.5154



12.0106, 0.1730, 0.1795



12.0106, 0.2985, 0.2047

Sweetspot

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



12.0112, 0.4503, 0.4806



27.1951, 0.3598, 0.3906



3.6940, 0.6071, 0.3119



6.4065, 0.3652, 0.3974



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



12.0112, 0.4503, 0.4806



21.3421, 0.4513, 0.4799



13.8263, 0.3640, 0.5491



4.1682, 0.3258, 0.3466



13.7029, 0.4506, 0.4804



65.7083, 0.4525, 0.4789

Inverse Universe

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



1.7060, 0.1555, 0.0797



2.9061, 0.1545, 0.0763



1.6584, 0.1785, 0.0757



3.6787, 0.2995, 0.3108



1.9236, 0.1552, 0.0787



8.5029, 0.1534, 0.0723

Previews

White Background



This preview shows how the Yxy color 12.0106, 0.4503, 0.4806 looks on a white background.

Color Contrast Check

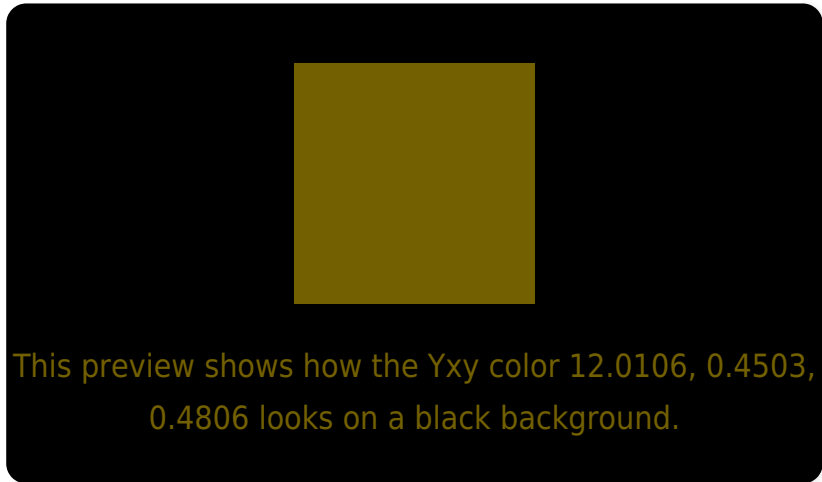
Large Text (above 18pt) WCAG AA ✓ Pass

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

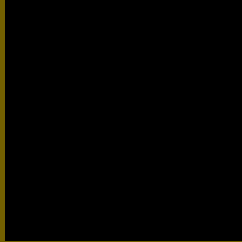
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0106, 0.4503, 0.4806

Background



This preview shows how black text looks on a background with the Yxy color 12.0106, 0.4503, 0.4806.



This preview shows how white text looks on a background with the Yxy color 12.0106, 0.4503, 0.4806.

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

12.0106, 0.4503, 0.4806

Protanopia

12.0591, 0.4371, 0.4872

Deuteranopia

12.0616, 0.4637, 0.4608



Tritanopia

11.9824, 0.3526, 0.3146

Trichromacy



Original Color

12.0106, 0.4503, 0.4806

Protanomaly

12.0007, 0.4425, 0.4839

Deuteranomaly

12.0116, 0.4591, 0.4681

Tritanomaly

11.8428, 0.4041, 0.3942

Monochromacy



Original Color

12.0106, 0.4503, 0.4806

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.8435, 0.3770, 0.4115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0106, 0.4503, 0.4806 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(115, 96, 0)` looks like.

```
.text, #text, p{  
    color:rgb(115, 96, 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(115, 96, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 96, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.0106, 0.4503, 0.4806 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(115, 96, 0) }
```

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

```
.border{ border-color:rgb(115, 96, 0) }
```

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

Here you see how a box with a 4 pixel rgb(115, 96, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 96, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 96, 0);  
box-shadow:4px 4px 4px 4px rgb(115, 96, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.0106, 0.4503, 0.4806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 96, 0) }
```

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

```
.background{ background-color: rgb(115, 96,  
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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