

Converting Colors

$Y_{xy}(20.3084, 0.4856, 0.4526)$

Have a look what the booklet for
Yxy(20.3084, 0.4856, 0.4526)
contains.

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Color

$Y_{xy}(20.3685, 0.4857, 0.4526)$

Conversions

Conversions Part 1

Format	Color
Hex	A67300
RGB	166, 115, 0
RGB Percent	65%, 45%, 0%
CMY	0.3490, 0.5490, 1.0000
CMYK	0.00, 0.31, 1.00, 0.35
HSL	42°, 100%, 33%
HSV	42°, 100%, 65%
XYZ	21.8581, 20.3685, 2.7767
YIQ	117.1390, 67.3110, -24.9530

Conversions

Conversions Part 2

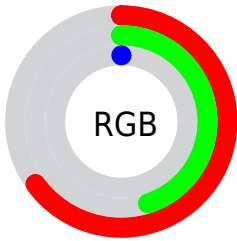
Format	Color
R_{YB}	74, 166, 0
Decimal	10908416
CIE _{Lab}	52.25, 12.15, 58.81
CIE _{LCh}	52, 60.047, 78.329
Yxy	20.3685, 0.4857, 0.4526
Android (android.graphics.Color)	4289098496 (0xFFA67300)
YUV	117.1390, -57.7495, 42.8511
Hunter-Lab	45.1315, 7.4712, 27.9442

Details

The Yxy color **20.3685, 0.4857, 0.4526** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.1222, 0.1619, 0.1028**, and the grayscale version is **18.0025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1878, 0.4549, 0.4357**, and **7.2655, 0.5025, 0.4392** is the 20% darker color. If you saturate the color by 10%, you get **20.3697, 0.4857, 0.4526**, and if you desaturate by 10%, it is **21.6048, 0.4733, 0.4534**.

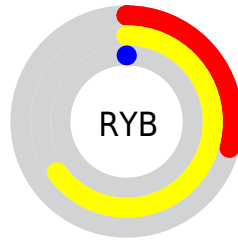
Distribution



Red (65%)

Green (45%)

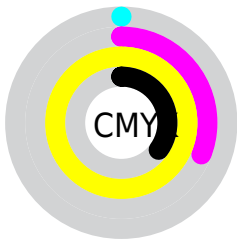
Blue (0%)



Red (29%)

Yellow (65%)

Blue (0%)

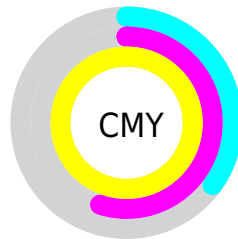


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (55%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3685, 0.4857, 0.4526 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 20.3685, 0.4857, 0.4526 by changing the saturation by 10% instead.


 20.3685, 0.4857,
0.4526


 20.3685, 0.4857,
0.4526


 253.9031, 0.3965,
0.3956


 12.6632, 0.5041,
0.4603


 44.0341, 0.4549,
0.4356


 7.1970, 0.5298,
0.4702


 60.7633, 0.4426,
0.4278


 3.5856, 0.5405,
0.4595

 81.2691, 0.4320,
0.4208

 1.4446, 0.5583,
0.4417

 105.9361, 0.4228,
0.4145

 0.2492, 0.6816,
0.3184


 135.1486, 0.4149,
0.4090


 0.0000, 0.0000,
0.0000


 169.2910, 0.4080,

0.4040

 208.7477, 0.4019,
0.3996


 20.3685, 0.4857,
0.4526

 20.3685, 0.4857,
0.4526

 20.3697, 0.4857,
0.4526

 21.6048, 0.4733,
0.4534

 22.9377, 0.4586,
0.4502

 24.3830, 0.4412,
0.4423

 25.9475, 0.4221,
0.4305

 27.6372, 0.4022,
0.4157

■ 29.4575, 0.3823,
0.3989

■ 31.4134, 0.3630,
0.3812

■ 33.5094, 0.3449,
0.3633

■ 35.7497, 0.3281,
0.3458

Harmonies

Analogous

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



20.3685, 0.5253, 0.3773



20.3685, 0.4857, 0.4526



20.3685, 0.4040, 0.5186

Triad

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



20.3685, 0.4857, 0.4526



20.3685, 0.1557, 0.3125



20.3685, 0.2869, 0.1972

Complementary

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



20.3685, 0.4857, 0.4526



5.1222, 0.1619, 0.1028

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.



20.3685, 0.2007, 0.1752



20.3685, 0.4857, 0.4526



20.3685, 0.1369, 0.2231

Square

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



20.3685, 0.4857, 0.4526



20.3685, 0.2143, 0.4401



20.3685, 0.1520, 0.1815



20.3685, 0.4001, 0.2437

Rectangle

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



20.3685, 0.4857, 0.4526



20.3685, 0.3390, 0.5353



20.3685, 0.1520, 0.1815



20.3685, 0.2541, 0.1870

Sweetspot

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



20.3697, 0.4857, 0.4526



56.7993, 0.3641, 0.3822



8.3613, 0.5683, 0.2904



12.3829, 0.3718, 0.3895



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



20.3697, 0.4857, 0.4526



36.5733, 0.4872, 0.4514



32.4754, 0.3875, 0.5305



8.3789, 0.3269, 0.3446



15.8788, 0.4849, 0.4532



0.4706, 0.4588, 0.4739

Inverse Universe

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



5.1222, 0.1619, 0.1028



8.9639, 0.1610, 0.0997



3.0362, 0.1590, 0.0650



7.6626, 0.2986, 0.3129



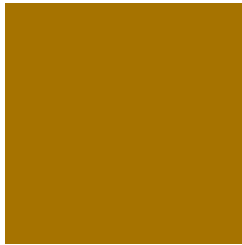
4.0460, 0.1623, 0.1044



0.1880, 0.1812, 0.1721

Previews

White Background



This preview shows how the Yxy color 20.3685, 0.4857, 0.4526 looks on a white background.

Color Contrast Check

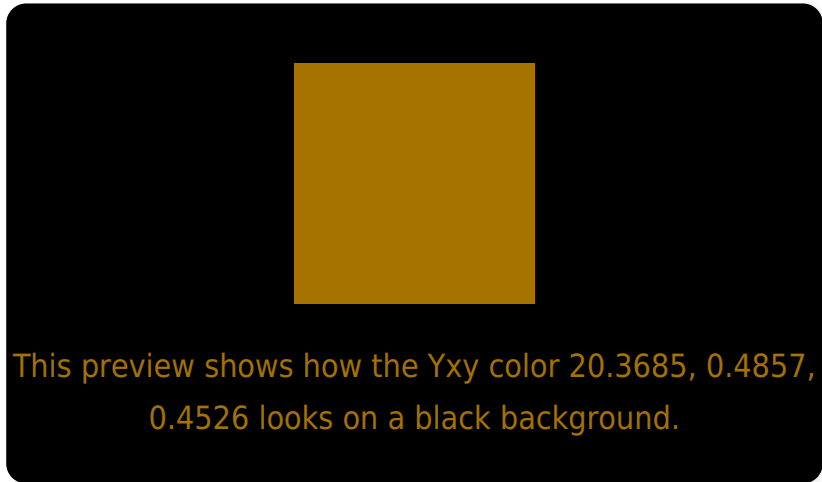
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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 × Fail

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

Yxy 20.3685, 0.4857, 0.4526

Background



This preview shows how black text looks on a background with the Yxy color 20.3685, 0.4857, 0.4526.



This preview shows how white text looks on a background with the Yxy color 20.3685, 0.4857, 0.4526.

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

20.3685, 0.4857, 0.4526

Protanopia

20.3541, 0.4375, 0.4845

Deuteranopia

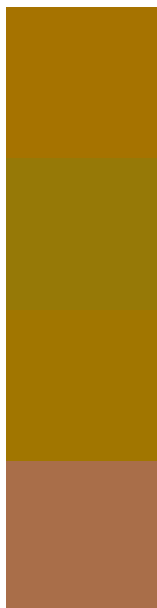
20.4628, 0.4702, 0.4649



Tritanopia

20.4111, 0.3905, 0.3170

Trichromacy



Original Color

20.3685, 0.4857, 0.4526

Protanomaly

20.1741, 0.4556, 0.4725

Deuteranomaly

20.5339, 0.4753, 0.4608

Tritanomaly

20.0679, 0.4436, 0.3847

Monochromacy



Original Color

20.3685, 0.4857, 0.4526

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.1361, 0.3912, 0.4060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3685, 0.4857, 0.4526 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(166, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 115, 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(166, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 115, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.3685, 0.4857, 0.4526 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(166, 115, 0) }
```

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

```
.border{ border-color:rgb(166, 115, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 115, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 115,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3685, 0.4857, 0.4526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 115, 0) }
```

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

```
.background{ background-color: rgb(166,  
115, 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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