

Converting Colors

$Y_{xy}(20.1443, 0.4988, 0.4699)$

Have a look what the booklet for
Yxy(20.1443, 0.4988, 0.4699)
contains.

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Color

Yxy(20.2608, 0.4845, 0.4535)

Conversions

Conversions Part 1

Format	Color
Hex	A57300
RGB	165, 115, 0
RGB Percent	65%, 45%, 0%
CMY	0.3530, 0.5490, 1.0000
CMYK	0.00, 0.30, 1.00, 0.35
HSL	42°, 100%, 32%
HSV	42°, 100%, 65%
XYZ	21.6458, 20.2608, 2.7699
YIQ	116.8400, 66.7150, -25.1650

Conversions

Conversions Part 2

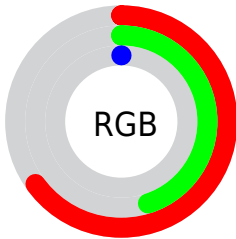
Format	Color
RYB	72, 165, 0
Decimal	10842880
CIELab	52.13, 11.67, 58.65
CIELCh	52, 59.796, 78.744
Yxy	20.2608, 0.4845, 0.4535
Android (android.graphics.Color)	4289032960 (0xFFA57300)
YUV	116.8400, -57.6021, 42.2363
Hunter-Lab	45.0120, 7.0677, 27.8598

Details

The Yxy color **20.2608, 0.4845, 0.4535** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.9961, 0.1616, 0.1018**, and the grayscale version is **17.9042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0266, 0.4540, 0.4362**, and **7.2025, 0.5009, 0.4405** is the 20% darker color. If you saturate the color by 10%, you get **20.2611, 0.4845, 0.4535**, and if you desaturate by 10%, it is **21.4718, 0.4723, 0.4542**.

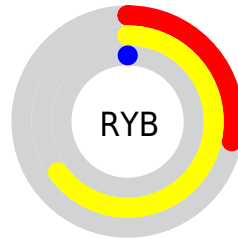
Distribution



Red (65%)

Green (45%)

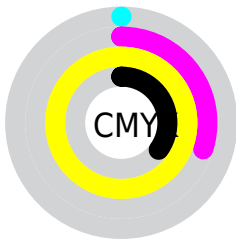
Blue (0%)



Red (28%)

Yellow (65%)

Blue (0%)

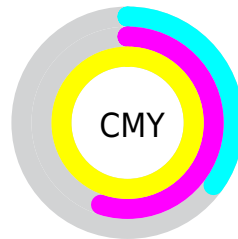


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2608, 0.4845, 0.4535 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 20.2608, 0.4845, 0.4535 by changing the saturation by 10% instead.


 20.2608, 0.4845,
0.4535

 20.2608, 0.4845,
0.4535


253.3235, 0.3958,
0.3958


 12.5848, 0.5027,
0.4614


 43.8540, 0.4539,
0.4361

 7.1432, 0.5283,
0.4717


 60.5400, 0.4417,
0.4283


 3.5518, 0.5387,
0.4613

 80.9980, 0.4311,
0.4212

 1.4262, 0.5560,
0.4440

 105.6125, 0.4221,
0.4149


 0.2359, 0.6834,
0.3166


 134.7680, 0.4142,
0.4092

 0.0000, 0.0000,
0.0000


 168.8487, 0.4073,

0.4042

 208.2391, 0.4012,
0.3998


 20.2608, 0.4845,
0.4535


 20.2608, 0.4845,
0.4535


 20.2611, 0.4845,
0.4535

 21.4718, 0.4723,
0.4542

 22.7766, 0.4577,
0.4509

 24.1903, 0.4406,
0.4429

 25.7198, 0.4217,
0.4310

 27.3709, 0.4019,
0.4161

■ 29.1489, 0.3821,
0.3993

■ 31.0585, 0.3629,
0.3815

■ 33.1043, 0.3448,
0.3635

■ 35.2904, 0.3280,
0.3459

Harmonies

Analogous

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



20.2608, 0.5248, 0.3783



20.2608, 0.4845, 0.4535



20.2608, 0.4026, 0.5189

Triad

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



20.2608, 0.4845, 0.4535



20.2608, 0.1555, 0.3110



20.2608, 0.2885, 0.1980

Complementary

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



20.2608, 0.4845, 0.4535



4.9961, 0.1616, 0.1018

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.



20.2608, 0.2019, 0.1756



20.2608, 0.4845, 0.4535



20.2608, 0.1372, 0.2225

Square

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



20.2608, 0.4845, 0.4535



20.2608, 0.2134, 0.4381



20.2608, 0.1527, 0.1815



20.2608, 0.4015, 0.2446

Rectangle

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



20.2608, 0.4845, 0.4535



20.2608, 0.3376, 0.5347



20.2608, 0.1527, 0.1815



20.2608, 0.2555, 0.1876

Sweetspot

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



20.2618, 0.4845, 0.4535



55.4375, 0.3639, 0.3825



8.2483, 0.5681, 0.2903



11.8164, 0.3715, 0.3897



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



20.2618, 0.4845, 0.4535



35.9205, 0.4859, 0.4524



32.0347, 0.3875, 0.5305



7.8733, 0.3268, 0.3446



15.4212, 0.4837, 0.4542



0.4010, 0.4557, 0.4764

Inverse Universe

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



4.9961, 0.1616, 0.1018



8.6328, 0.1608, 0.0988



2.9962, 0.1590, 0.0650



7.1936, 0.2987, 0.3129



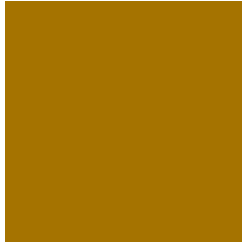
3.8588, 0.1621, 0.1036



0.1606, 0.1821, 0.1754

Previews

White Background



This preview shows how the Yxy color 20.2608, 0.4845, 0.4535 looks on a white background.

Color Contrast Check

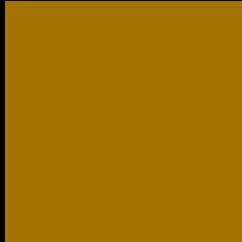
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 20.2608, 0.4845, 0.4535 looks on a 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 20.2608, 0.4845, 0.4535

Background



This preview shows how black text looks on a background with the Yxy color 20.2608, 0.4845, 0.4535.



This preview shows how white text looks on a background with the Yxy color 20.2608, 0.4845, 0.4535.

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

20.2608, 0.4845, 0.4535

Protanopia

20.3519, 0.4377, 0.4849

Deuteranopia

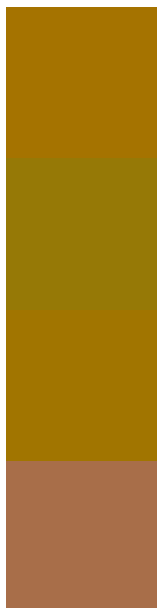
20.2260, 0.4717, 0.4636



Tritanopia

20.2992, 0.3892, 0.3169

Trichromacy



Original Color

20.2608, 0.4845, 0.4535

Protanomaly

20.1719, 0.4559, 0.4728

Deuteranomaly

20.2996, 0.4768, 0.4596

Tritanomaly

19.9577, 0.4423, 0.3850

Monochromacy



Original Color

20.2608, 0.4845, 0.4535

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.0535, 0.3898, 0.4065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2608, 0.4845, 0.4535 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(165, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(165, 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(165, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 115, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.2608, 0.4845, 0.4535 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(165, 115, 0) }
```

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

```
.border{ border-color:rgb(165, 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(165, 115, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(165, 115,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2608, 0.4845, 0.4535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 115, 0) }
```

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

```
.background{ background-color: rgb(165,  
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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