

Converting Colors

$Y_{xy}(51.0288, 0.4568, 0.4755)$

Have a look what the booklet for
Yxy(51.0288, 0.4568, 0.4755)
contains.

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Color

Yxy(51.0288, 0.4568, 0.4755)

Conversions

Conversions Part 1

Format	Color
Hex	E3B900
RGB	227, 185, 0
RGB Percent	89%, 73%, 0%
CMY	0.1099, 0.2744, 1.0000
CMYK	0.00, 0.18, 1.00, 0.11
HSL	49°, 100%, 45%
HSV	49°, 100%, 89%
XYZ	49.0220, 51.0288, 7.2653
YIQ	176.4680, 84.4170, -48.6310

Conversions

Conversions Part 2

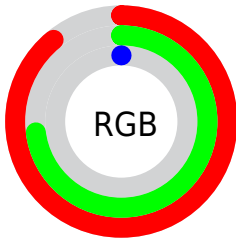
Format	Color
RYB	52, 227, 0
Decimal	14924032
CIELab	76.70, 1.42, 78.70
CIElCh	77, 78.714, 88.963
Yxy	51.0288, 0.4568, 0.4755
Android (android.graphics.Color)	4293114112 (0xFFE3B900)
YUV	176.4680, -86.9987, 44.3166
Hunter-Lab	71.4344, -2.5144, 43.9740

Details

The Yxy color **51.0288, 0.4568, 0.4755** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **7.1980, 0.1544, 0.0756**, and the grayscale version is **44.1051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7798, 0.4136, 0.4725**, and **24.6095, 0.4605, 0.4726** is the 20% darker color. If you saturate the color by 10%, you get **51.0311, 0.4568, 0.4755**, and if you desaturate by 10%, it is **52.8738, 0.4498, 0.4751**.

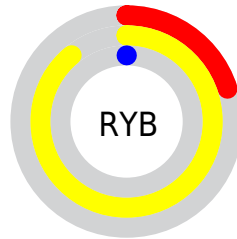
Distribution



Red (89%)

Green (73%)

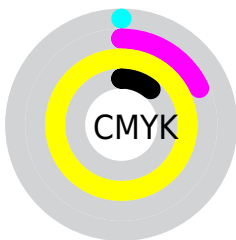
Blue (0%)



Red (20%)

Yellow (89%)

Blue (0%)

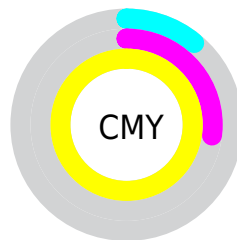


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (27%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.0288, 0.4568, 0.4755 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 51.0288, 0.4568, 0.4755 by changing the saturation by 10% instead.


 51.0288, 0.4568,
0.4755

 51.0288, 0.4568,
0.4755


390.6757, 0.3957,
0.4140


 36.2315, 0.4670,
0.4855


 91.6973, 0.4382,
0.4570


 24.6131, 0.4771,
0.4952


 118.3374, 0.4301,
0.4489


 15.7890, 0.4893,
0.5067


 149.6938, 0.4228,
0.4415

 9.3750, 0.4920,
0.5080

 186.1511, 0.4162,
0.4349

 4.9866, 0.4931,
0.5069

 228.0935, 0.4103,
0.4288

 2.2394, 0.4948,
0.5052

 275.9054, 0.4049,

 0.7413, 0.4993,

0.4234

0.5007

329.9714, 0.4001,
0.4185

■ 0.0000, 0.0000,
0.0000

■ 51.0288, 0.4568,
0.4755

■ 51.0288, 0.4568,
0.4755

■ 51.0311, 0.4568,
0.4755

■ 52.8738, 0.4498,
0.4751

■ 54.8399, 0.4402,
0.4705

■ 56.9527, 0.4278,
0.4613

■ 59.2259, 0.4130,
0.4478

■ 61.6709, 0.3966,
0.4310

■ 64.2979, 0.3792,
0.4117

■ 67.1160, 0.3617,
0.3911

■ 70.1335, 0.3445,
0.3700

■ 73.3581, 0.3281,
0.3491

Harmonies

Analogous

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



51.0288, 0.5121, 0.4031



51.0288, 0.4568, 0.4755



51.0288, 0.3695, 0.5251

Triad

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



51.0288, 0.4568, 0.4755



51.0288, 0.1494, 0.2772



51.0288, 0.3254, 0.2144

Complementary

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



51.0288, 0.4568, 0.4755



7.1980, 0.1544, 0.0756

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.



51.0288, 0.2297, 0.1838



51.0288, 0.4568, 0.4755



51.0288, 0.1430, 0.2075

Square

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



51.0288, 0.4568, 0.4755



51.0288, 0.1929, 0.3918



51.0288, 0.1691, 0.1799



51.0288, 0.4349, 0.2668

Rectangle

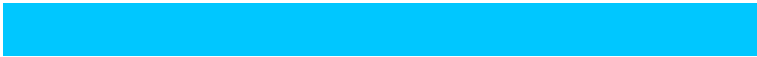
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.0288, 0.4568, 0.4755



51.0288, 0.3049, 0.5198



51.0288, 0.1691, 0.1799



51.0288, 0.2902, 0.2015

Sweetspot

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



51.0313, 0.4568, 0.4755



87.3207, 0.3620, 0.3915



16.5196, 0.6102, 0.3135



18.3507, 0.3694, 0.4003



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



51.0313, 0.4568, 0.4755



66.3026, 0.4571, 0.4753



62.2841, 0.3666, 0.5471



16.3403, 0.3272, 0.3480



29.9284, 0.4561, 0.4760



2.3295, 0.4498, 0.4811

Inverse Universe

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



7.1980, 0.1544, 0.0756



9.2644, 0.1541, 0.0749



6.7771, 0.1691, 0.0705



14.3160, 0.2980, 0.3092



4.3222, 0.1549, 0.0776



0.4437, 0.1618, 0.1026

Previews

White Background



This preview shows how the Yxy color 51.0288, 0.4568, 0.4755 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 51.0288, 0.4568, 0.4755 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 ✓ Pass

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

Yxy 51.0288, 0.4568, 0.4755

Background



This preview shows how black text looks on a background with the Yxy color 51.0288, 0.4568, 0.4755.



This preview shows how white text looks on a background with the Yxy color 51.0288, 0.4568, 0.4755.

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

51.0288, 0.4568, 0.4755

Protanopia

51.1428, 0.4398, 0.4869

Deuteranopia

51.2083, 0.4708, 0.4604



Tritanopia

51.0124, 0.3605, 0.3147

Trichromacy



Original Color

51.0288, 0.4568, 0.4755

Protanomaly

51.0397, 0.4464, 0.4824

Deuteranomaly

51.1422, 0.4654, 0.4662

Tritanomaly

50.0759, 0.4151, 0.3952

Monochromacy



Original Color

51.0288, 0.4568, 0.4755

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

45.0122, 0.3833, 0.4153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0288, 0.4568, 0.4755 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(227, 185, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 185, 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(227, 185, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 185, 0) }
```

Border

The CSS property to change the border of an element to Yxy 51.0288, 0.4568, 0.4755 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(227, 185, 0) }
```

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

```
.border{ border-color:rgb(227, 185, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 185, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 185, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 185, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 185,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0288, 0.4568, 0.4755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 185, 0) }
```

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

```
.background{ background-color: rgb(227,  
185, 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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