

Converting Colors

$Y_{xy}(25.6335, 0.5173, 0.3955)$

Have a look what the booklet for
Yxy(25.6335, 0.5173, 0.3955)
contains.

Yxy(25.7045, 0.5171, 0.3956)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(25.7045, 0.5171, 0.3956)

Conversions

Conversions Part 1

Format	Color
Hex	D56F2D
RGB	213, 111, 45
RGB Percent	84%, 44%, 18%
CMY	0.1647, 0.5647, 0.8236
CMYK	0.00, 0.48, 0.79, 0.16
HSL	24°, 67%, 51%
HSV	24°, 79%, 84%
XYZ	33.5991, 25.7045, 5.6724
YIQ	133.9740, 81.9780, 1.0980

Conversions

Conversions Part 2

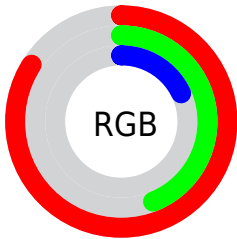
Format	Color
R _Y B	213, 154, 45
Decimal	13987629
CIE Lab	57.76, 35.62, 52.47
CIE LCh	58, 63.419, 55.825
Yxy	25.7045, 0.5171, 0.3956
Android (android.graphics.Color)	4292177709 (0xFFD56F2D)
YUV	133.9740, -43.8642, 69.3058
Hunter-Lab	50.6996, 29.5692, 28.8562

Details

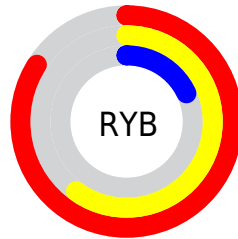
The Yxy color **25.7045, 0.5171, 0.3956** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed orange. A complement of this color would be **26.2264, 0.2019, 0.2251**, and the grayscale version is **23.9726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6371, 0.4621, 0.3972**, and **10.0129, 0.5667, 0.3882** is the 20% darker color. If you saturate the color by 10%, you get **22.9604, 0.5463, 0.3923**, and if you desaturate by 10%, it is **28.9427, 0.4849, 0.3939**.

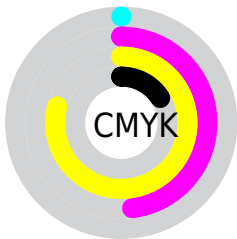
Distribution



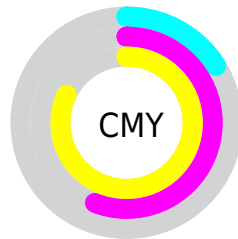
- Red (84%)
- Green (44%)
- Blue (18%)



- Red (84%)
- Yellow (60%)
- Blue (18%)



- Cyan (0%)
- Magenta (48%)
- Yellow (79%)
- Black (16%)





- Cyan (16%)
- Magenta (56%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.7045, 0.5171, 0.3956 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 25.7045, 0.5171, 0.3956 by changing the saturation by 10% instead.


 25.7045, 0.5171,
0.3956


 25.7045, 0.5171,
0.3956


281.3285, 0.4097,
0.3718


 16.6027, 0.5425,
0.3960

 52.7978, 0.4784,
0.3906


 9.9516, 0.5728,
0.3924


 71.5582, 0.4635,
0.3875

 5.3669, 0.6150,
0.3850

 94.3068, 0.4510,
0.3845

 2.4641, 0.6471,
0.3529

 121.4282, 0.4403,
0.3816

 0.8586, 0.6996,
0.3004

 153.3066, 0.4310,
0.3788

 0.0000, 1.0000,
0.0000

 190.3266, 0.4230,

 0.0000, 0.0000,

0.3763

0.0000

232.8724, 0.4159,
0.3740

■ 25.7045, 0.5171,
0.3956

■ 25.7045, 0.5171,
0.3956

■ 22.9604, 0.5463,
0.3923

■ 28.9427, 0.4849,
0.3939

■ 20.6712, 0.5706,
0.3840

■ 32.6980, 0.4523,
0.3881

■ 20.4390, 0.5732,
0.3830

■ 36.9969, 0.4213,
0.3795

■ 41.8620, 0.3930,
0.3694

■ 47.3149, 0.3679,
0.3587

■ 53.3757, 0.3460,
0.3480

■ 60.0636, 0.3272,
0.3377

■ 67.3968, 0.3110,
0.3279

■ 75.3927, 0.2972,
0.3189

Harmonies

Analogous

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



25.7045, 0.5061, 0.3245



25.7045, 0.5171, 0.3956



25.7045, 0.4658, 0.4693

Triad

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



25.7045, 0.5171, 0.3956



25.7045, 0.1984, 0.4060



25.7045, 0.2206, 0.1808

Complementary

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



25.7045, 0.5171, 0.3956



26.2264, 0.2019, 0.2251

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.



25.7045, 0.1635, 0.1797



25.7045, 0.5171, 0.3956



25.7045, 0.1505, 0.2866

Square

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



25.7045, 0.5171, 0.3956



25.7045, 0.2824, 0.5104



25.7045, 0.1405, 0.2112



25.7045, 0.3140, 0.2089

Rectangle

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



25.7045, 0.5171, 0.3956



25.7045, 0.4107, 0.5110



25.7045, 0.1405, 0.2112



25.7045, 0.1975, 0.1772

Sweetspot

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



25.7059, 0.5171, 0.3956



75.2090, 0.3574, 0.3537



18.1798, 0.4121, 0.2218



15.4116, 0.3655, 0.3576



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.



25.7059, 0.5171, 0.3956



31.9992, 0.5639, 0.3867



52.6532, 0.4284, 0.4791



13.2132, 0.3281, 0.3382



12.6707, 0.5707, 0.3851



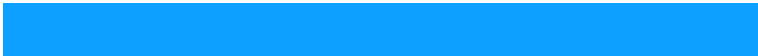
0.9231, 0.5388, 0.4104

Inverse Universe

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



26.2264, 0.2019, 0.2251



32.3823, 0.1894, 0.1994



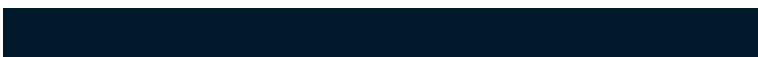
9.0962, 0.1700, 0.1034



13.2507, 0.2982, 0.3196



12.7793, 0.1877, 0.1957



0.9299, 0.1948, 0.2212

Previews

White Background



This preview shows how the Yxy color 25.7045, 0.5171, 0.3956 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 25.7045, 0.5171, 0.3956 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 25.7045, 0.5171, 0.3956

Background



This preview shows how black text looks on a background with the Yxy color 25.7045, 0.5171, 0.3956.



This preview shows how white text looks on a background with the Yxy color 25.7045, 0.5171, 0.3956.

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

25.7045, 0.5171, 0.3956

Protanopia

25.9818, 0.4154, 0.4585

Deuteranopia

25.7564, 0.4574, 0.4483



Tritanopia

25.6473, 0.4525, 0.3211

Trichromacy



Original Color

25.7045, 0.5171, 0.3956

Protanomaly

25.1609, 0.4541, 0.4340

Deuteranomaly

25.3942, 0.4807, 0.4269

Tritanomaly

25.6506, 0.4810, 0.3525

Monochromacy



Original Color

25.7045, 0.5171, 0.3956

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.6675, 0.3873, 0.3672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7045, 0.5171, 0.3956 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(213, 111, 45)` looks like.

```
.text, #text, p{  
    color:rgb(213, 111, 45)  
}
```

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(213, 111, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 111, 45) }
```

Border

The CSS property to change the border of an element to Yxy 25.7045, 0.5171, 0.3956 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(213, 111, 45) }
```

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

```
.border{ border-color:rgb(213, 111, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 111, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 111, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 111, 45);  
box-shadow:4px 4px 4px 4px rgb(213, 111,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7045, 0.5171, 0.3956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 111, 45) }
```

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

```
.background{ background-color: rgb(213,  
111, 45) }
```

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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