

Converting Colors

$Yxy(27.5007, 0.5040, 0.4286)$

Have a look what the booklet for
Yxy(27.5007, 0.5040, 0.4286)
contains.

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Color

Yxy(27.5587, 0.5038, 0.4289)

Conversions

Conversions Part 1

Format	Color
Hex	CC7D15
RGB	204, 125, 21
RGB Percent	80%, 49%, 8%
CMY	0.2000, 0.5098, 0.9175
CMYK	0.00, 0.39, 0.90, 0.20
HSL	34°, 81%, 44%
HSV	34°, 90%, 80%
XYZ	32.3714, 27.5587, 4.3243
YIQ	136.7650, 80.4680, -15.5960

Conversions

Conversions Part 2

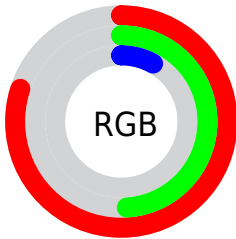
Format	Color
R _Y B	160, 204, 21
Decimal	13401365
CIE Lab	59.49, 23.80, 61.92
CIE LCh	59, 66.331, 68.976
Yxy	27.5587, 0.5038, 0.4289
Android (android.graphics.Color)	4291591445 (0xFFCC7D15)
YUV	136.7650, -57.0721, 58.9651
Hunter-Lab	52.4964, 18.2015, 31.8635

Details

The Yxy color **27.5587, 0.5038, 0.4289** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **13.6407, 0.1785, 0.1544**, and the grayscale version is **25.1222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6508, 0.4621, 0.4236**, and **11.0982, 0.5299, 0.4175** is the 20% darker color. If you saturate the color by 10%, you get **25.3750, 0.5211, 0.4242**, and if you desaturate by 10%, it is **29.9991, 0.4833, 0.4288**.

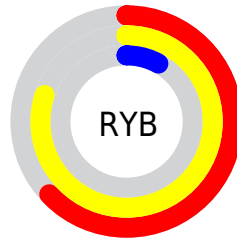
Distribution



Red (80%)

Green (49%)

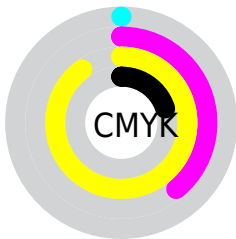
Blue (8%)



Red (63%)

Yellow (80%)

Blue (8%)

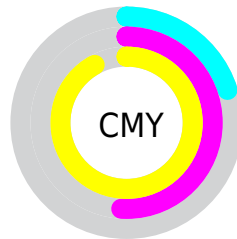


Cyan (0%)

Magenta (39%)

Yellow (90%)

Black (20%)



Cyan (20%)


Magenta (51%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5587, 0.5038, 0.4289 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 27.5587, 0.5038, 0.4289 by changing the saturation by 10% instead.


 27.5587, 0.5038,
0.4289


 27.5587, 0.5038,
0.4289


290.3522, 0.4079,
0.3889


 17.9933, 0.5241,
0.4325


 55.7791, 0.4708,
0.4185

 10.9452, 0.5486,
0.4343


 75.2029, 0.4577,
0.4132


 6.0300, 0.5727,
0.4273

 98.6815, 0.4464,
0.4082

 2.8633, 0.5946,
0.4054

 126.5995, 0.4365,
0.4036

 1.0608, 0.6312,
0.3688

 159.3411, 0.4279,
0.3994

 0.0000, 1.0000,
0.0000

 197.2909, 0.4204,

 0.0000, 0.0000,

0.3956

0.0000

240.8331, 0.4138,
0.3921

27.5587, 0.5038,
0.4289

27.5587, 0.5038,
0.4289

25.3750, 0.5211,
0.4242

29.9991, 0.4833,
0.4288

25.3100, 0.5216,
0.4240

32.7147, 0.4601,
0.4236

35.7217, 0.4357,
0.4142

39.0333, 0.4112,
0.4018

42.6611, 0.3877,
0.3876

■ 46.6162, 0.3658,
0.3725

■ 50.9089, 0.3459,
0.3573

■ 55.5488, 0.3281,
0.3426

■ 60.5453, 0.3122,
0.3286

Harmonies

Analogous

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



27.5587, 0.5242, 0.3547



27.5587, 0.5038, 0.4289



27.5587, 0.4322, 0.5010

Triad

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



27.5587, 0.5038, 0.4289



27.5587, 0.1696, 0.3504



27.5587, 0.2562, 0.1877

Complementary

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



27.5587, 0.5038, 0.4289



13.6407, 0.1785, 0.1544

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.



27.5587, 0.1818, 0.1741



27.5587, 0.5038, 0.4289



27.5587, 0.1390, 0.2455

Square

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



27.5587, 0.5038, 0.4289



27.5587, 0.2404, 0.4765



27.5587, 0.1440, 0.1903



27.5587, 0.3639, 0.2270

Rectangle

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



27.5587, 0.5038, 0.4289



27.5587, 0.3699, 0.5316



27.5587, 0.1440, 0.1903



27.5587, 0.2271, 0.1801

Sweetspot

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



27.5601, 0.5038, 0.4289



78.8097, 0.3610, 0.3689



14.3016, 0.4976, 0.2589



16.3606, 0.3682, 0.3742



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.



27.5601, 0.5038, 0.4289



41.4803, 0.5233, 0.4227



54.4212, 0.4067, 0.5097



12.2539, 0.3276, 0.3422



16.1184, 0.5198, 0.4255



0.9806, 0.4950, 0.4451

Inverse Universe

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



13.6407, 0.1785, 0.1544



18.3934, 0.1701, 0.1324



5.2247, 0.1583, 0.0701



11.6273, 0.2983, 0.3155



7.3227, 0.1715, 0.1372



0.5276, 0.1822, 0.1757

Previews

White Background



This preview shows how the Yxy color 27.5587, 0.5038, 0.4289 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 27.5587, 0.5038, 0.4289 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 27.5587, 0.5038, 0.4289

Background



This preview shows how black text looks on a background with the Yxy color 27.5587, 0.5038, 0.4289.



This preview shows how white text looks on a background with the Yxy color 27.5587, 0.5038, 0.4289.

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

27.5587, 0.5038, 0.4289

Protanopia

27.7025, 0.4338, 0.4796

Deuteranopia

27.5666, 0.4711, 0.4617



Tritanopia

27.5268, 0.4186, 0.3180

Trichromacy



Original Color

27.5587, 0.5038, 0.4289

Protanomaly

27.3044, 0.4598, 0.4609

Deuteranomaly

27.4738, 0.4837, 0.4498

Tritanomaly

27.1472, 0.4623, 0.3686

Monochromacy



Original Color

27.5587, 0.5038, 0.4289

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.1783, 0.3888, 0.3892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5587, 0.5038, 0.4289 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(204, 125, 21)` looks like.

```
.text, #text, p{  
    color:rgb(204, 125, 21)  
}
```

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(204, 125, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 125, 21) }
```

Border

The CSS property to change the border of an element to Yxy 27.5587, 0.5038, 0.4289 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(204, 125, 21) }
```

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

```
.border{ border-color:rgb(204, 125, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 125, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 125, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 125, 21);  
box-shadow:4px 4px 4px 4px rgb(204, 125,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5587, 0.5038, 0.4289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 125, 21) }
```

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

```
.background{ background-color: rgb(204,  
125, 21) }
```

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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