

Converting Colors

$Yxy(27.6037, 0.5232, 0.4188)$

Have a look what the booklet for
Yxy(27.6037, 0.5232, 0.4188)
contains.

Yxy(27.5140, 0.5233, 0.4187)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.5140, 0.5233, 0.4187)

Conversions

Conversions Part 1

Format	Color
Hex	D6770B
RGB	214, 119, 11
RGB Percent	84%, 47%, 4%
CMY	0.1608, 0.5333, 0.9573
CMYK	0.00, 0.44, 0.95, 0.16
HSL	32°, 90%, 44%
HSV	32°, 95%, 84%
XYZ	34.3876, 27.5140, 3.8113
YIQ	135.0930, 91.2880, -13.4480

Conversions

Conversions Part 2

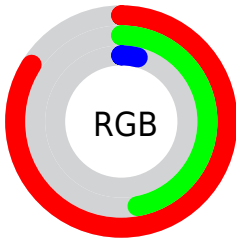
Format	Color
R_{YB}	190, 214, 11
Decimal	14055179
CIE Lab	59.45, 31.08, 64.66
CIE LCh	59, 71.738, 64.329
Yxy	27.5140, 0.5233, 0.4187
Android (android.graphics.Color)	4292245259 (0xFFD6770B)
YUV	135.0930, -61.1778, 69.2014
Hunter-Lab	52.4538, 25.2266, 32.4096

Details

The Yxy color **27.5140, 0.5233, 0.4187** 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 **15.2077, 0.1772, 0.1548**, and the grayscale version is **24.4678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2461, 0.4703, 0.4214**, and **11.0285, 0.5527, 0.3993** is the 20% darker color. If you saturate the color by 10%, you get **26.3115, 0.5326, 0.4153**, and if you desaturate by 10%, it is **30.1066, 0.5030, 0.4225**.

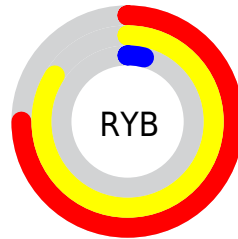
Distribution



Red (84%)

Green (47%)

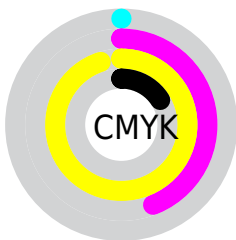
Blue (4%)



Red (75%)

Yellow (84%)

Blue (4%)

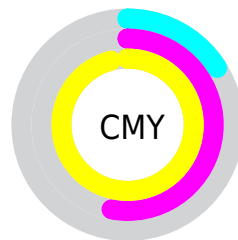


Cyan (0%)

Magenta (44%)

Yellow (95%)

Black (16%)



Cyan (16%)


Magenta (53%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5140, 0.5233, 0.4187 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 27.5140, 0.5233, 0.4187 by changing the saturation by 10% instead.


 27.5140, 0.5233,
0.4187


 27.5140, 0.5233,
0.4187


290.1373, 0.4181,
0.3870


 17.9596, 0.5452,
0.4192


 55.7076, 0.4874,
0.4122

 10.9210, 0.5731,
0.4179


 75.1156, 0.4730,
0.4081


 6.0137, 0.5965,
0.4035

 98.5769, 0.4606,
0.4040

 2.8534, 0.6235,
0.3765

 126.4759, 0.4497,
0.4001

 1.0557, 0.6676,
0.3324

 159.1971, 0.4403,
0.3965

 0.0000, 1.0000,
0.0000


 197.1248, 0.4320,


 0.0000, 0.0000,


0.3931


0.0000


 240.6434, 0.4246,
0.3899


 27.5140, 0.5233,
0.4187


 27.5140, 0.5233,
0.4187


 26.3115, 0.5326,
0.4153

 30.1066, 0.5030,
0.4225

 33.0317, 0.4793,
0.4208

 36.3103, 0.4536,
0.4143

 39.9596, 0.4274,
0.4040

 43.9952, 0.4021,
0.3914

■ 48.4312, 0.3784,
0.3775

■ 53.2810, 0.3568,
0.3631

■ 58.5570, 0.3374,
0.3490

■ 64.2712, 0.3203,
0.3354

Harmonies

Analogous

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



27.5140, 0.5366, 0.3417



27.5140, 0.5233, 0.4187



27.5140, 0.4512, 0.4992

Triad

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



27.5140, 0.5233, 0.4187



27.5140, 0.1682, 0.3729



27.5140, 0.2367, 0.1752

Complementary

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



27.5140, 0.5233, 0.4187



15.2077, 0.1772, 0.1548

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.



27.5140, 0.1650, 0.1652



27.5140, 0.5233, 0.4187



27.5140, 0.1308, 0.2517

Square

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



27.5140, 0.5233, 0.4187



27.5140, 0.2483, 0.5079



27.5140, 0.1313, 0.1867



27.5140, 0.3478, 0.2124

Rectangle

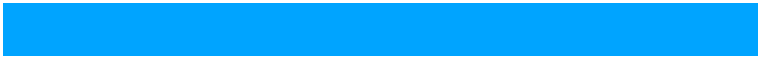
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



27.5140, 0.5233, 0.4187



27.5140, 0.3864, 0.5411



27.5140, 0.1313, 0.1867



27.5140, 0.2082, 0.1687

Sweetspot

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



27.5155, 0.5233, 0.4187



76.7388, 0.3638, 0.3680



15.6377, 0.4926, 0.2517



15.7557, 0.3733, 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.



27.5155, 0.5233, 0.4187



38.7966, 0.5339, 0.4142



61.9065, 0.4157, 0.5060



13.5044, 0.3278, 0.3414



16.1146, 0.5305, 0.4170



1.1370, 0.5061, 0.4363

Inverse Universe

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



15.2077, 0.1772, 0.1548



20.4745, 0.1733, 0.1438



5.1872, 0.1525, 0.0636



12.9566, 0.2982, 0.3163



8.6574, 0.1745, 0.1481



0.6870, 0.1836, 0.1808

Previews

White Background



This preview shows how the Yxy color 27.5140, 0.5233, 0.4187 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 27.5140, 0.5233, 0.4187 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 27.5140, 0.5233, 0.4187

Background



This preview shows how black text looks on a background with the Yxy color 27.5140, 0.5233, 0.4187.



This preview shows how white text looks on a background with the Yxy color 27.5140, 0.5233, 0.4187.

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

27.5140, 0.5233, 0.4187

Protanopia

27.6784, 0.4358, 0.4825

Deuteranopia

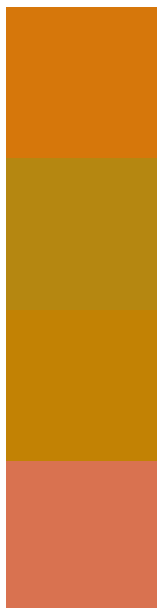
27.5534, 0.4723, 0.4632



Tritanopia

27.6062, 0.4394, 0.3198

Trichromacy



Original Color

27.5140, 0.5233, 0.4187

Protanomaly

27.1922, 0.4690, 0.4584

Deuteranomaly

27.4434, 0.4918, 0.4461

Tritanomaly

27.3655, 0.4848, 0.3677

Monochromacy



Original Color

27.5140, 0.5233, 0.4187

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.3312, 0.4008, 0.3900

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5140, 0.5233, 0.4187 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(214, 119, 11)` looks like.

```
.text, #text, p{  
    color:rgb(214, 119, 11)  
}
```

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(214, 119, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 119, 11) }
```

Border

The CSS property to change the border of an element to Yxy 27.5140, 0.5233, 0.4187 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(214, 119, 11) }
```

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

```
.border{ border-color:rgb(214, 119, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 119, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 119, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 119, 11);  
box-shadow:4px 4px 4px 4px rgb(214, 119,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5140, 0.5233, 0.4187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 119, 11) }
```

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

```
.background{ background-color: rgb(214,  
119, 11) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor