

Converting Colors

$Y_{xy}(30.5172, 0.4901, 0.4156)$

Have a look what the booklet for
Yxy(30.5172, 0.4901, 0.4156)
contains.

Yxy(30.6005, 0.4905, 0.4157)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.6005, 0.4905, 0.4157)

Conversions

Conversions Part 1

Format	Color
Hex	D58331
RGB	213, 131, 49
RGB Percent	84%, 51%, 19%
CMY	0.1648, 0.4862, 0.8080
CMYK	0.00, 0.38, 0.77, 0.16
HSL	30°, 66%, 51%
HSV	30°, 77%, 84%
XYZ	36.1067, 30.6005, 6.9048
YIQ	146.1700, 75.1940, -8.1180

Conversions

Conversions Part 2

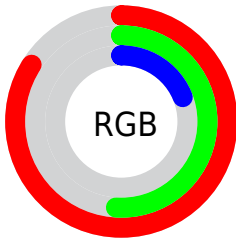
Format	Color
R _Y B	213, 213, 49
Decimal	13992753
CIE Lab	62.17, 25.19, 55.02
CIE LCh	62, 60.509, 65.403
Yxy	30.6005, 0.4905, 0.4157
Android (android.graphics.Color)	4292182833 (0xFFD58331)
YUV	146.1700, -47.9048, 58.6099
Hunter-Lab	55.3177, 19.7035, 31.3218

Details

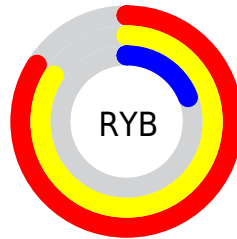
The Yxy color **30.6005, 0.4905, 0.4157** is a dark color, and the websafe version is hex **CC6600**. The color can be described as middle muted orange. A complement of this color would be **21.6681, 0.1961, 0.1987**, and the grayscale version is **28.9950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4806, 0.4426, 0.4116**, and **12.6572, 0.5301, 0.4173** is the 20% darker color. If you saturate the color by 10%, you get **27.7488, 0.5152, 0.4156**, and if you desaturate by 10%, it is **33.8340, 0.4635, 0.4108**.

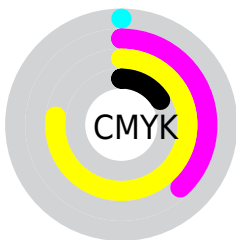
Distribution



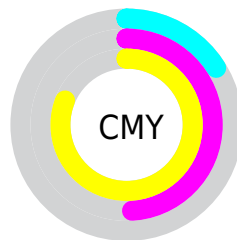
- Red (84%)
- Green (51%)
- Blue (19%)



- Red (84%)
- Yellow (84%)
- Blue (19%)



- Cyan (0%)
- Magenta (38%)
- Yellow (77%)
- Black (16%)





- Cyan (16%)
- Magenta (49%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6005, 0.4905, 0.4157 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 30.6005, 0.4905, 0.4157 by changing the saturation by 10% instead.


 30.6005, 0.4905,
0.4157


 30.6005, 0.4905,
0.4157


 304.6936, 0.4001,
0.3799

 20.2948, 0.5110,
0.4201


 60.6105, 0.4586,
0.4056


 12.6095, 0.5352,
0.4225


 81.0837, 0.4462,
0.4009


 7.1602, 0.5716,
0.4266


 105.7148, 0.4356,
0.3965

 3.5625, 0.5930,
0.4070

 134.8883, 0.4265,
0.3925

 1.4320, 0.6259,
0.3741

 168.9885, 0.4185,
0.3889

 0.2401, 0.7783,
0.2217

 208.3999, 0.4116,

 0.0000, 0.0000,

0.3856

0.0000

253.5068, 0.4055,
0.3826

■ 30.6005, 0.4905,
0.4157

■ 30.6005, 0.4905,
0.4157

■ 27.7488, 0.5152,
0.4156

■ 33.8340, 0.4635,
0.4108

■ 25.2512, 0.5361,
0.4100

■ 37.4636, 0.4359,
0.4020

■ 24.5651, 0.5420,
0.4078

■ 41.5079, 0.4092,
0.3905

■ 45.9829, 0.3843,
0.3775

■ 50.9031, 0.3617,
0.3640

■ 56.2826, 0.3415,
0.3506

■ 62.1345, 0.3238,
0.3376

■ 68.4713, 0.3083,
0.3254

■ 75.3051, 0.2948,
0.3141

Harmonies

Analogous

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



30.6005, 0.4984, 0.3481



30.6005, 0.4905, 0.4157



30.6005, 0.4327, 0.4791

Triad

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



30.6005, 0.4905, 0.4157



30.6005, 0.1908, 0.3624



30.6005, 0.2531, 0.1979

Complementary

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



30.6005, 0.4905, 0.4157



21.6681, 0.1961, 0.1987

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.



30.6005, 0.1887, 0.1887



30.6005, 0.4905, 0.4157



30.6005, 0.1568, 0.2653

Square

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



30.6005, 0.4905, 0.4157



30.6005, 0.2599, 0.4668



30.6005, 0.1571, 0.2086



30.6005, 0.3466, 0.2317

Rectangle

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



30.6005, 0.4905, 0.4157



30.6005, 0.3782, 0.5061



30.6005, 0.1571, 0.2086



30.6005, 0.2279, 0.1919

Sweetspot

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



30.6021, 0.4905, 0.4157



79.4864, 0.3538, 0.3589



17.9748, 0.4420, 0.2435



16.3983, 0.3614, 0.3638



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.



30.6021, 0.4905, 0.4157



39.4216, 0.5281, 0.4129



61.9438, 0.4114, 0.4922



13.4370, 0.3279, 0.3407



15.2127, 0.5398, 0.4096



1.0831, 0.5135, 0.4305

Inverse Universe

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



21.6681, 0.1961, 0.1987



25.4453, 0.1815, 0.1686



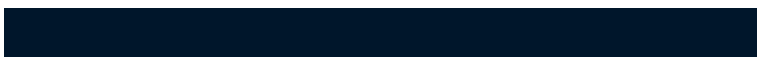
7.6487, 0.1677, 0.0893



13.0238, 0.2982, 0.3170



9.4912, 0.1774, 0.1586



0.7380, 0.1861, 0.1900

Previews

White Background



This preview shows how the Yxy color 30.6005, 0.4905, 0.4157 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 30.6005, 0.4905, 0.4157 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 30.6005, 0.4905, 0.4157

Background



This preview shows how black text looks on a background with the Yxy color 30.6005, 0.4905, 0.4157.



This preview shows how white text looks on a background with the Yxy color 30.6005, 0.4905, 0.4157.

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

30.6005, 0.4905, 0.4157

Protanopia

30.7244, 0.4189, 0.4616

Deuteranopia

30.6532, 0.4554, 0.4463



Tritanopia

30.7373, 0.4160, 0.3184

Trichromacy



Original Color

30.6005, 0.4905, 0.4157

Protanomaly

30.3848, 0.4448, 0.4451

Deuteranomaly

30.6683, 0.4686, 0.4353

Tritanomaly

30.4799, 0.4486, 0.3582

Monochromacy



Original Color

30.6005, 0.4905, 0.4157

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.7435, 0.3774, 0.3744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6005, 0.4905, 0.4157 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, 131, 49)` looks like.

```
.text, #text, p{  
    color:rgb(213, 131, 49)  
}
```

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, 131, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 131, 49) }
```

Border

The CSS property to change the border of an element to Yxy 30.6005, 0.4905, 0.4157 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, 131, 49) }
```

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

```
.border{ border-color:rgb(213, 131, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 131, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 131, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 131, 49);  
box-shadow:4px 4px 4px 4px rgb(213, 131,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6005, 0.4905, 0.4157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 131, 49) }
```

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

```
.background{ background-color: rgb(213,  
131, 49) }
```

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