

Converting Colors

$Y_{xy}(30.3700, 0.5008, 0.4360)$

Have a look what the booklet for
Yxy(30.3700, 0.5008, 0.4360)
contains.

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Color

Yxy(30.5058, 0.5008, 0.4360)

Conversions

Conversions Part 1

Format	Color
Hex	D2850D
RGB	210, 133, 13
RGB Percent	82%, 52%, 5%
CMY	0.1765, 0.4784, 0.9490
CMYK	0.00, 0.37, 0.94, 0.18
HSL	37°, 88%, 44%
HSV	37°, 94%, 82%
XYZ	35.0397, 30.5058, 4.4219
YIQ	142.3430, 84.4120, -20.9960

Conversions

Conversions Part 2

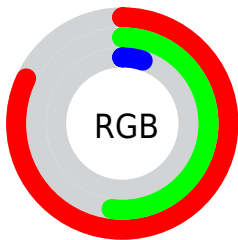
Format	Color
R _Y B	139, 210, 13
Decimal	13796621
CIE Lab	62.09, 21.93, 65.89
CIE LCh	62, 69.443, 71.590
Yxy	30.5058, 0.5008, 0.4360
Android (android.graphics.Color)	4291986701 (0xFFD2850D)
YUV	142.3430, -63.7661, 59.3352
Hunter-Lab	55.2321, 16.5858, 33.9156

Details

The Yxy color **30.5058, 0.5008, 0.4360** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **12.0518, 0.1717, 0.1339**, and the grayscale version is **27.4273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8996, 0.4565, 0.4322**, and **12.5761, 0.5219, 0.4238** is the 20% darker color. If you saturate the color by 10%, you get **29.1202, 0.5101, 0.4332**, and if you desaturate by 10%, it is **32.9301, 0.4837, 0.4373**.

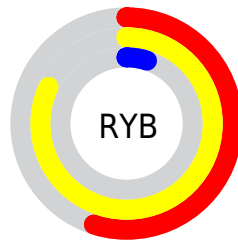
Distribution



Red (82%)

Green (52%)

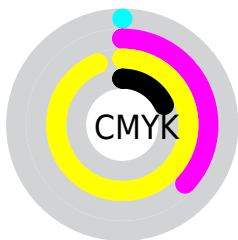
Blue (5%)



Red (55%)

Yellow (82%)

Blue (5%)

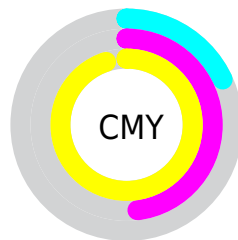


Cyan (0%)

Magenta (37%)

Yellow (94%)

Black (18%)



Cyan (18%)


Magenta (48%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 30.5058, 0.5008, 0.4360 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 30.5058, 0.5008, 0.4360 by changing the saturation by 10% instead.


 30.5058, 0.5008,
0.4360


 30.5058, 0.5008,
0.4360

 304.2550, 0.4090,
0.3934


 20.2228, 0.5193,
0.4402


 60.4612, 0.4700,
0.4248


 12.5571, 0.5411,
0.4425


 80.9023, 0.4574,
0.4192

 7.1243, 0.5624,
0.4376


 105.4983, 0.4465,
0.4140

 3.5400, 0.5806,
0.4194

 134.6336, 0.4370,
0.4091

 1.4197, 0.6103,
0.3897

 168.6925, 0.4287,
0.4046

 0.2312, 0.7656,
0.2344

 208.0595, 0.4213,

 0.0000, 0.0000,

0.4006

0.0000

253.1188, 0.4148,
0.3968

30.5058, 0.5008,
0.4360

30.5058, 0.5008,
0.4360

29.1202, 0.5101,
0.4332

32.9301, 0.4837,
0.4373

35.6062, 0.4635,
0.4333

38.5513, 0.4412,
0.4247

41.7786, 0.4182,
0.4126

45.2999, 0.3954,
0.3980

■ 49.1263, 0.3736,
0.3822

■ 53.2678, 0.3534,
0.3660

■ 57.7339, 0.3351,
0.3500

■ 62.5336, 0.3185,
0.3346

Harmonies

Analogous

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



30.5058, 0.5275, 0.3608



30.5058, 0.5008, 0.4360



30.5058, 0.4252, 0.5079

Triad

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



30.5058, 0.5008, 0.4360



30.5058, 0.1639, 0.3394



30.5058, 0.2638, 0.1889

Complementary

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



30.5058, 0.5008, 0.4360



12.0518, 0.1717, 0.1339

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.



30.5058, 0.1855, 0.1728



30.5058, 0.5008, 0.4360



30.5058, 0.1366, 0.2376

Square

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



30.5058, 0.5008, 0.4360



30.5058, 0.2318, 0.4688



30.5058, 0.1445, 0.1861



30.5058, 0.3747, 0.2306

Rectangle

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



30.5058, 0.5008, 0.4360



30.5058, 0.3614, 0.5358



30.5058, 0.1445, 0.1861



30.5058, 0.2334, 0.1805

Sweetspot

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



30.5074, 0.5008, 0.4360



79.6926, 0.3623, 0.3733



14.7595, 0.5225, 0.2692



16.4652, 0.3713, 0.3804



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.



30.5074, 0.5008, 0.4360



44.8126, 0.5113, 0.4322



57.1111, 0.4017, 0.5163



12.9895, 0.3276, 0.3431



17.9626, 0.5084, 0.4345



1.1563, 0.4878, 0.4509

Inverse Universe

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



12.0518, 0.1717, 0.1339



16.2712, 0.1667, 0.1202



5.2597, 0.1569, 0.0666



12.1648, 0.2982, 0.3145



6.7094, 0.1680, 0.1248



0.5277, 0.1783, 0.1619

Previews

White Background



This preview shows how the Yxy color 30.5058, 0.5008, 0.4360 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 30.5058, 0.5008, 0.4360 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 30.5058, 0.5008, 0.4360

Background



This preview shows how black text looks on a background with the Yxy color 30.5058, 0.5008, 0.4360.



This preview shows how white text looks on a background with the Yxy color 30.5058, 0.5008, 0.4360.

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

30.5058, 0.5008, 0.4360

Protanopia

30.7298, 0.4364, 0.4829

Deuteranopia

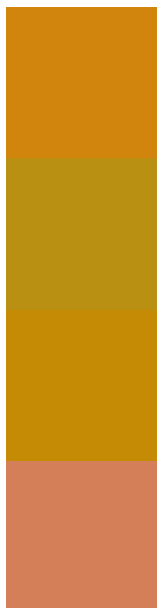
30.5921, 0.4712, 0.4641



Tritanopia

30.5558, 0.4110, 0.3182

Trichromacy



Original Color

30.5058, 0.5008, 0.4360

Protanomaly

30.3013, 0.4615, 0.4649

Deuteranomaly

30.3465, 0.4824, 0.4534

Tritanomaly

30.0461, 0.4593, 0.3747

Monochromacy



Original Color

30.5058, 0.5008, 0.4360

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.5070, 0.3922, 0.3961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5058, 0.5008, 0.4360 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(210, 133, 13)` looks like.

```
.text, #text, p{  
    color:rgb(210, 133, 13)  
}
```

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(210, 133, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 133, 13) }
```

Border

The CSS property to change the border of an element to Yxy 30.5058, 0.5008, 0.4360 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(210, 133, 13) }
```

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

```
.border{ border-color:rgb(210, 133, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 133, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 133, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 133, 13);  
box-shadow:4px 4px 4px 4px rgb(210, 133,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5058, 0.5008, 0.4360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 133, 13) }
```

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

```
.background{ background-color: rgb(210,  
133, 13) }
```

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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