

Converting Colors

$Y_{xy}(30.2195, 0.5033, 0.4362)$

Have a look what the booklet for
Yxy(30.2195, 0.5033, 0.4362)
contains.

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Color

Yxy(30.2195, 0.5033, 0.4362)

Conversions

Conversions Part 1

Format	Color
Hex	D28407
RGB	210, 132, 7
RGB Percent	82%, 52%, 3%
CMY	0.1765, 0.4823, 0.9732
CMYK	0.00, 0.37, 0.97, 0.18
HSL	37°, 94%, 43%
HSV	37°, 97%, 82%
XYZ	34.8681, 30.2195, 4.1914
YIQ	141.0720, 86.6130, -22.3390

Conversions

Conversions Part 2

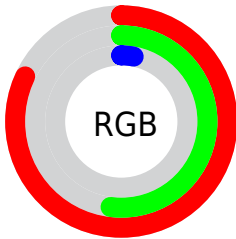
Format	Color
RYB	134, 210, 7
Decimal	13796359
CIELab	61.84, 22.40, 66.68
CIELCh	62, 70.345, 71.431
Yxy	30.2195, 0.5033, 0.4362
Android (android.graphics.Color)	4291986439 (0xFFD28407)
YUV	141.0720, -66.0975, 60.4499
Hunter-Lab	54.9723, 17.0185, 33.9600

Details

The Yxy color **30.2195, 0.5033, 0.4362** 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 **11.1693, 0.1690, 0.1263**, and the grayscale version is **26.8989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4390, 0.4590, 0.4332**, and **12.4241, 0.5238, 0.4223** is the 20% darker color. If you saturate the color by 10%, you get **29.5026, 0.5081, 0.4348**, and if you desaturate by 10%, it is **32.5612, 0.4875, 0.4388**.

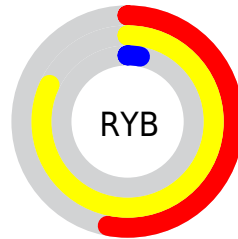
Distribution



Red (82%)

Green (52%)

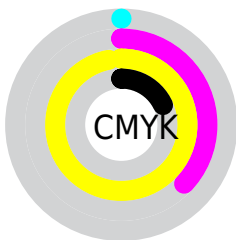
Blue (3%)



Red (53%)

Yellow (82%)

Blue (3%)

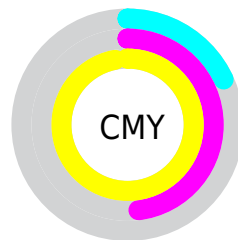


Cyan (0%)

Magenta (37%)

Yellow (97%)

Black (18%)



Cyan (18%)


Magenta (48%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2195, 0.5033, 0.4362 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 30.2195, 0.5033, 0.4362 by changing the saturation by 10% instead.


 30.2195, 0.5033,
0.4362


 30.2195, 0.5033,
0.4362


302.9263, 0.4104,
0.3940


 20.0053, 0.5219,
0.4400


 60.0091, 0.4722,
0.4254

 12.3989, 0.5441,
0.4423


 80.3533, 0.4596,
0.4198


 7.0159, 0.5643,
0.4357


 104.8429, 0.4485,
0.4146

 3.4721, 0.5830,
0.4170

 133.8623, 0.4389,
0.4097

 1.3829, 0.6136,
0.3864

 167.7960, 0.4304,
0.4053

 0.2040, 0.7840,
0.2160


 207.0283, 0.4230,


 0.0000, 0.0000,


0.4012


0.0000

 251.9436, 0.4163,
0.3975

 30.2195, 0.5033,
0.4362

 30.2195, 0.5033,
0.4362


 29.5026, 0.5081,
0.4348

 32.5612, 0.4875,
0.4388

 35.1432, 0.4684,
0.4362

 37.9840, 0.4470,
0.4287

 41.0971, 0.4243,
0.4173

 44.4946, 0.4016,
0.4033

■ 48.1875, 0.3796,
0.3876

■ 52.1859, 0.3591,
0.3712

■ 56.4993, 0.3402,
0.3549

■ 61.1367, 0.3232,
0.3392

Harmonies

Analogous

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



30.2195, 0.5305, 0.3602



30.2195, 0.5033, 0.4362



30.2195, 0.4265, 0.5097

Triad

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



30.2195, 0.5033, 0.4362



30.2195, 0.1621, 0.3400



30.2195, 0.2625, 0.1870

Complementary

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



30.2195, 0.5033, 0.4362



11.1693, 0.1690, 0.1263

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.



30.2195, 0.1836, 0.1709



30.2195, 0.5033, 0.4362



30.2195, 0.1346, 0.2365

Square

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



30.2195, 0.5033, 0.4362



30.2195, 0.2308, 0.4720



30.2195, 0.1424, 0.1844



30.2195, 0.3749, 0.2290

Rectangle

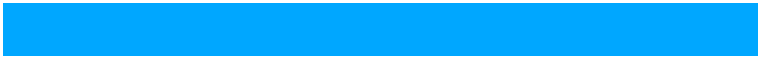
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.2195, 0.5033, 0.4362



30.2195, 0.3619, 0.5389



30.2195, 0.1424, 0.1844



30.2195, 0.2318, 0.1786

Sweetspot

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



30.2211, 0.5033, 0.4362



79.3227, 0.3642, 0.3755



14.5570, 0.5308, 0.2719



16.4044, 0.3731, 0.3825



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.



30.2211, 0.5033, 0.4362



45.4077, 0.5093, 0.4338



57.0168, 0.4017, 0.5177



13.0035, 0.3275, 0.3433



18.1953, 0.5064, 0.4361



1.1684, 0.4863, 0.4520

Inverse Universe

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



11.1693, 0.1690, 0.1263



15.9367, 0.1662, 0.1182



5.0370, 0.1549, 0.0642



12.1512, 0.2982, 0.3143



6.5748, 0.1675, 0.1228



0.5194, 0.1778, 0.1600

Previews

White Background



This preview shows how the Yxy color 30.2195, 0.5033, 0.4362 looks on a white background.

Color Contrast Check

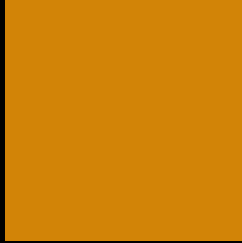
Large Text (above 18pt) WCAG AA × Fail

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 30.2195, 0.5033, 0.4362 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 30.2195, 0.5033, 0.4362

Background



This preview shows how black text looks on a background with the Yxy color 30.2195, 0.5033, 0.4362.



This preview shows how white text looks on a background with the Yxy color 30.2195, 0.5033, 0.4362.

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

30.2195, 0.5033, 0.4362

Protanopia

30.2851, 0.4375, 0.4842

Deuteranopia

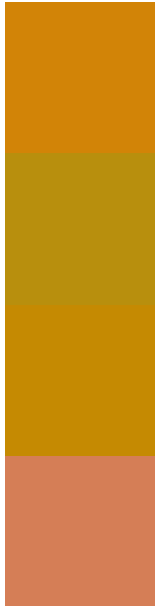
30.1648, 0.4715, 0.4639



Tritanopia

30.2789, 0.4127, 0.3182

Trichromacy



Original Color

30.2195, 0.5033, 0.4362

Protanomaly

29.8643, 0.4627, 0.4658

Deuteranomaly

30.0517, 0.4842, 0.4530

Tritanomaly

29.7397, 0.4634, 0.3768

Monochromacy



Original Color

30.2195, 0.5033, 0.4362

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.0567, 0.3948, 0.3994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2195, 0.5033, 0.4362 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, 132, 7)` looks like.

```
.text, #text, p{  
    color:rgb(210, 132, 7)  
}
```

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, 132, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 132, 7) }
```

Border

The CSS property to change the border of an element to Yxy 30.2195, 0.5033, 0.4362 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, 132, 7) }
```

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

```
.border{ border-color:rgb(210, 132, 7) }
```

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

Here you see how a box with a 4 pixel rgb(210, 132, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 132, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 132, 7);  
box-shadow:4px 4px 4px 4px rgb(210, 132,  
7) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2195, 0.5033, 0.4362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 132, 7) }
```

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

```
.background{ background-color: rgb(210,  
132, 7) }
```

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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