

Converting Colors

$Y_{xy}(31.3032, 0.5200, 0.4227)$

Have a look what the booklet for
Yxy(31.3032, 0.5200, 0.4227)
contains.

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Color

Yxy(31.3032, 0.5200, 0.4227)

Conversions

Conversions Part 1

Format	Color
Hex	E08008
RGB	224, 128, 8
RGB Percent	88%, 50%, 3%
CMY	0.1215, 0.4981, 0.9684
CMYK	0.00, 0.43, 0.96, 0.12
HSL	33°, 93%, 46%
HSV	33°, 96%, 88%
XYZ	38.5088, 31.3032, 4.2434
YIQ	143.0240, 95.7360, -16.9680

Conversions

Conversions Part 2

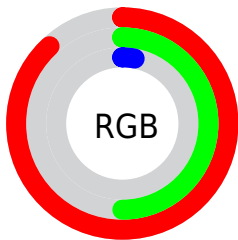
Format	Color
RYB	181, 224, 8
Decimal	14712840
CIELab	62.76, 30.48, 67.99
CIElCh	63, 74.511, 65.850
Yxy	31.3032, 0.5200, 0.4227
Android (android.graphics.Color)	4292902920 (0xFFE08008)
YUV	143.0240, -66.5668, 71.0160
Hunter-Lab	55.9493, 24.9469, 34.6677

Details

The Yxy color **31.3032, 0.5200, 0.4227** 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 **15.3513, 0.1740, 0.1443**, and the grayscale version is **27.7236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8022, 0.4618, 0.4290**, and **13.1302, 0.5446, 0.4057** is the 20% darker color. If you saturate the color by 10%, you get **30.3700, 0.5262, 0.4204**, and if you desaturate by 10%, it is **34.1105, 0.5014, 0.4269**.

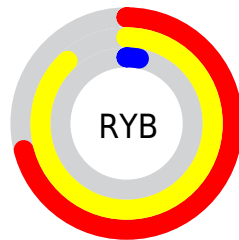
Distribution



Red (88%)

Green (50%)

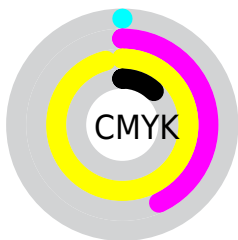
Blue (3%)



Red (71%)

Yellow (88%)

Blue (3%)

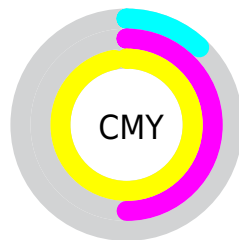


Cyan (0%)

Magenta (43%)

Yellow (96%)

Black (12%)



Cyan (12%)


Magenta (50%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3032, 0.5200, 0.4227 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 31.3032, 0.5200, 0.4227 by changing the saturation by 10% instead.


 31.3032, 0.5200,
0.4227


 31.3032, 0.5200,
0.4227


307.9327, 0.4191,
0.3899


 20.8298, 0.5404,
0.4238


 61.7171, 0.4862,
0.4157

 12.9997, 0.5646,
0.4224

 82.4265, 0.4725,
0.4115

 7.4283, 0.5880,
0.4120


 107.3166, 0.4605,
0.4073

 3.7314, 0.6111,
0.3889

 136.7719, 0.4500,
0.4033

 1.5245, 0.6477,
0.3523

 171.1768, 0.4409,
0.3996

 0.3059, 0.7744,
0.2256


 210.9156, 0.4327,


 0.0000, 0.0000,


0.3961


0.0000

 256.3728, 0.4255,
0.3928

 31.3032, 0.5200,
0.4227

 31.3032, 0.5200,
0.4227


 30.3700, 0.5262,
0.4204

 34.1105, 0.5014,
0.4269

 37.2594, 0.4793,
0.4256

 40.7734, 0.4548,
0.4193

 44.6709, 0.4296,
0.4091

 48.9682, 0.4047,
0.3962

■ 53.6806, 0.3812,
0.3818

■ 58.8219, 0.3596,
0.3669

■ 64.4054, 0.3401,
0.3520

■ 70.4436, 0.3228,
0.3378

Harmonies

Analogous

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



31.3032, 0.5368, 0.3456



31.3032, 0.5200, 0.4227



31.3032, 0.4463, 0.5025

Triad

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



31.3032, 0.5200, 0.4227



31.3032, 0.1659, 0.3655



31.3032, 0.2418, 0.1770

Complementary

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



31.3032, 0.5200, 0.4227



15.3513, 0.1740, 0.1443

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.



31.3032, 0.1682, 0.1656



31.3032, 0.5200, 0.4227



31.3032, 0.1307, 0.2475

Square

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



31.3032, 0.5200, 0.4227



31.3032, 0.2438, 0.5015



31.3032, 0.1328, 0.1853



31.3032, 0.3540, 0.2154

Rectangle

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



31.3032, 0.5200, 0.4227



31.3032, 0.3811, 0.5423



31.3032, 0.1328, 0.1853



31.3032, 0.2126, 0.1701

Sweetspot

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



31.3049, 0.5200, 0.4227



76.9042, 0.3655, 0.3711



17.0503, 0.5106, 0.2607



15.8263, 0.3748, 0.3775



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.



31.3049, 0.5200, 0.4227



40.4926, 0.5271, 0.4197



67.5200, 0.4103, 0.5110



14.9566, 0.3278, 0.3420



17.9067, 0.5241, 0.4221



1.4190, 0.5036, 0.4384

Inverse Universe

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



15.3513, 0.1740, 0.1443



19.1156, 0.1712, 0.1364



5.6947, 0.1527, 0.0630



14.2415, 0.2981, 0.3156



8.6146, 0.1724, 0.1404



0.7736, 0.1806, 0.1702

Previews

White Background



This preview shows how the Yxy color 31.3032, 0.5200, 0.4227 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 31.3032, 0.5200, 0.4227 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 31.3032, 0.5200, 0.4227

Background



This preview shows how black text looks on a background with the Yxy color 31.3032, 0.5200, 0.4227.



This preview shows how white text looks on a background with the Yxy color 31.3032, 0.5200, 0.4227.

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

31.3032, 0.5200, 0.4227

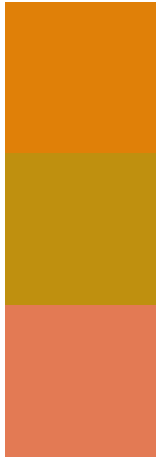
Protanopia

31.6001, 0.4366, 0.4837

Tritanopia

31.4102, 0.4348, 0.3191

Trichromacy



Original Color

31.3032, 0.5200, 0.4227

Protanomaly

31.0574, 0.4681, 0.4609

Tritanomaly

30.8901, 0.4827, 0.3706

Monochromacy



Original Color

31.3032, 0.5200, 0.4227

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.7558, 0.3998, 0.3946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3032, 0.5200, 0.4227 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(224, 128, 8)` looks like.

```
.text, #text, p{  
    color:rgb(224, 128, 8)  
}
```

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(224, 128, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 128, 8) }
```

Border

The CSS property to change the border of an element to Yxy 31.3032, 0.5200, 0.4227 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(224, 128, 8) }
```

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

```
.border{ border-color:rgb(224, 128, 8) }
```

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

Here you see how a box with a 4 pixel rgb(224, 128, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 128, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 128, 8);  
box-shadow:4px 4px 4px 4px rgb(224, 128,  
8) }
```

Background

The CSS property to change the background color of an element to Yxy 31.3032, 0.5200, 0.4227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 128, 8) }
```

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

```
.background{ background-color: rgb(224,  
128, 8) }
```

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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