

Converting Colors

$Y_{xy}(31.0901, 0.5339, 0.4121)$

Have a look what the booklet for
Yxy(31.0901, 0.5339, 0.4121)
contains.

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Color

Yxy(31.0902, 0.5338, 0.4121)

Conversions

Conversions Part 1

Format	Color
Hex	E87A07
RGB	232, 122, 7
RGB Percent	91%, 48%, 3%
CMY	0.0903, 0.5215, 0.9722
CMYK	0.00, 0.47, 0.97, 0.09
HSL	31°, 94%, 47%
HSV	31°, 97%, 91%
XYZ	40.2717, 31.0902, 4.0815
YIQ	141.7800, 102.4750, -12.4450

Conversions

Conversions Part 2

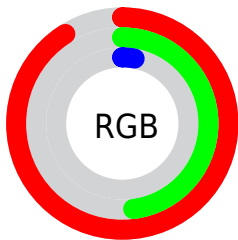
Format	Color
RYB	222, 232, 7
Decimal	15235591
CIELab	62.58, 36.82, 68.55
CIElCh	63, 77.816, 61.762
Yxy	31.0902, 0.5338, 0.4121
Android (android.graphics.Color)	4293425671 (0xFFE87A07)
YUV	141.7800, -66.4465, 79.1229
Hunter-Lab	55.7586, 31.3441, 34.6910

Details

The Yxy color **31.0902, 0.5338, 0.4121** 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 **18.6012, 0.1775, 0.1571**, and the grayscale version is **27.2017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7917, 0.4667, 0.4251**, and **12.9415, 0.5628, 0.3913** is the 20% darker color. If you saturate the color by 10%, you get **30.2413, 0.5395, 0.4098**, and if you desaturate by 10%, it is **34.1219, 0.5135, 0.4177**.

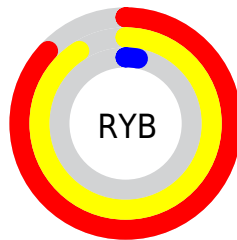
Distribution



Red (91%)

Green (48%)

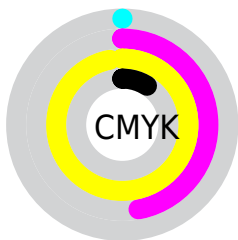
Blue (3%)



Red (87%)

Yellow (91%)

Blue (3%)

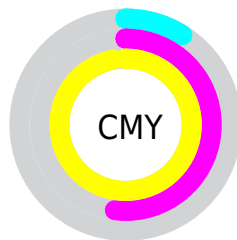


Cyan (0%)

Magenta (47%)

Yellow (97%)

Black (9%)



Cyan (9%)


Magenta (52%)

Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0902, 0.5338, 0.4121 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 31.0902, 0.5338, 0.4121 by changing the saturation by 10% instead.

 31.0902, 0.5338,
0.4121


 31.0902, 0.5338,
0.4121


306.9537, 0.4259,
0.3864


 20.6675, 0.5557,
0.4111


 61.3821, 0.4976,
0.4080

 12.8812, 0.5821,
0.4071


 82.0200, 0.4829,
0.4048


 7.3468, 0.6071,
0.3929


 106.8319, 0.4701,
0.4015

 3.6799, 0.6339,
0.3661

 136.2021, 0.4590,
0.3981

 1.4962, 0.6756,
0.3244

 170.5150, 0.4491,
0.3949

 0.2860, 0.8095,
0.1905

 210.1549, 0.4405,

 0.0000, 1.0000,

0.3919


0.0000


 255.5064, 0.4328,
0.3890

 0.0000, 0.0000,
0.0000


 31.0902, 0.5338,
0.4121

 31.0902, 0.5338,
0.4121


 30.2413, 0.5395,
0.4098

 34.1219, 0.5135,
0.4177

 37.5742, 0.4893,
0.4178

 41.4758, 0.4627,
0.4127

 45.8495, 0.4355,
0.4037

 50.7158, 0.4090,
0.3919

■ 56.0935, 0.3842,
0.3787

■ 62.0003, 0.3616,
0.3648

■ 68.4525, 0.3415,
0.3510

■ 75.4658, 0.3237,
0.3378

Harmonies

Analogous

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



31.0902, 0.5424, 0.3341



31.0902, 0.5338, 0.4121



31.0902, 0.4619, 0.4964

Triad

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



31.0902, 0.5338, 0.4121



31.0902, 0.1683, 0.3873



31.0902, 0.2258, 0.1687

Complementary

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



31.0902, 0.5338, 0.4121



18.6012, 0.1775, 0.1571

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.



31.0902, 0.1561, 0.1608



31.0902, 0.5338, 0.4121



31.0902, 0.1270, 0.2564

Square

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



31.0902, 0.5338, 0.4121



31.0902, 0.2535, 0.5255



31.0902, 0.1248, 0.1855



31.0902, 0.3378, 0.2044

Rectangle

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



31.0902, 0.5338, 0.4121



31.0902, 0.3959, 0.5440



31.0902, 0.1248, 0.1855



31.0902, 0.1978, 0.1629

Sweetspot

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



31.0919, 0.5338, 0.4121



75.1804, 0.3664, 0.3679



18.6503, 0.4918, 0.2499



15.4158, 0.3760, 0.3738



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.



31.0919, 0.5338, 0.4121



37.3124, 0.5403, 0.4092



74.8680, 0.4189, 0.5045



15.5798, 0.3280, 0.3410



17.0456, 0.5371, 0.4117



1.4455, 0.5153, 0.4290

Inverse Universe

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



18.6012, 0.1775, 0.1571



21.8045, 0.1752, 0.1508



6.0243, 0.1511, 0.0618



15.0447, 0.2981, 0.3167



10.0948, 0.1763, 0.1545



0.9315, 0.1837, 0.1813

Previews

White Background



This preview shows how the Yxy color 31.0902, 0.5338, 0.4121 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 31.0902, 0.5338, 0.4121 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 31.0902, 0.5338, 0.4121

Background



This preview shows how black text looks on a background with the Yxy color 31.0902, 0.5338, 0.4121.



This preview shows how white text looks on a background with the Yxy color 31.0902, 0.5338, 0.4121.

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

31.0902, 0.5338, 0.4121

Protanopia

31.1685, 0.4361, 0.4827

Deuteranopia

31.1530, 0.4719, 0.4635



Tritanopia

31.0236, 0.4543, 0.3207

Trichromacy



Original Color

31.0902, 0.5338, 0.4121

Protanomaly

30.4246, 0.4737, 0.4559

Deuteranomaly

30.8803, 0.4960, 0.4433

Tritanomaly

30.7321, 0.4995, 0.3659

Monochromacy



Original Color

31.0902, 0.5338, 0.4121

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.2322, 0.4065, 0.3909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0902, 0.5338, 0.4121 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(232, 122, 7)` looks like.

```
.text, #text, p{  
    color:rgb(232, 122, 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(232, 122, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 122, 7) }
```

Border

The CSS property to change the border of an element to Yxy 31.0902, 0.5338, 0.4121 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(232, 122, 7) }
```

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

```
.border{ border-color:rgb(232, 122, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 122, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 122, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 122, 7);  
box-shadow:4px 4px 4px 4px rgb(232, 122,  
7) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0902, 0.5338, 0.4121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 122, 7) }
```

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

```
.background{ background-color: rgb(232,  
122, 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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