

Converting Colors

$Y_{xy}(31.2495, 0.4952, 0.4243)$

Have a look what the booklet for
Yxy(31.2495, 0.4952, 0.4243)
contains.

Yxy(31.2111, 0.4954, 0.4240)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.2111, 0.4954, 0.4240)

Conversions

Conversions Part 1

Format	Color
Hex	D68526
RGB	214, 133, 38
RGB Percent	84%, 52%, 15%
CMY	0.1608, 0.4784, 0.8511
CMYK	0.00, 0.38, 0.82, 0.16
HSL	32°, 70%, 49%
HSV	32°, 82%, 84%
XYZ	36.4669, 31.2111, 5.9331
YIQ	146.3890, 78.7710, -12.3730

Conversions

Conversions Part 2

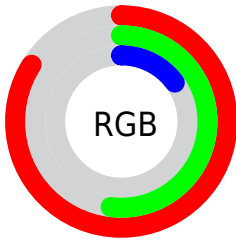
Format	Color
RYB	188, 214, 38
Decimal	14058790
CIELab	62.69, 24.16, 59.84
CIElCh	63, 64.534, 68.015
Yxy	31.2111, 0.4954, 0.4240
Android (android.graphics.Color)	4292248870 (0xFFD68526)
YUV	146.3890, -53.4358, 59.2948
Hunter-Lab	55.8669, 18.7482, 32.8102

Details

The Yxy color **31.2111, 0.4954, 0.4240** 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 **18.4477, 0.1875, 0.1772**, and the grayscale version is **29.1121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1505, 0.4471, 0.4207**, and **12.9588, 0.5264, 0.4203** is the 20% darker color. If you saturate the color by 10%, you get **28.5412, 0.5163, 0.4219**, and if you desaturate by 10%, it is **34.2162, 0.4714, 0.4208**.

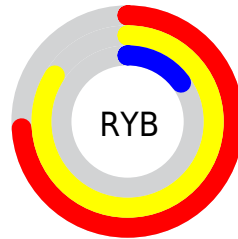
Distribution



Red (84%)

Green (52%)

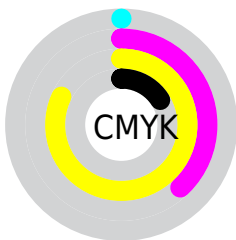
Blue (15%)



Red (74%)

Yellow (84%)

Blue (15%)

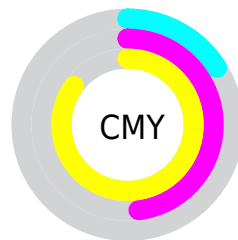


Cyan (0%)

Magenta (38%)

Yellow (82%)

Black (16%)



Cyan (16%)


Magenta (48%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2111, 0.4954, 0.4240 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 31.2111, 0.4954, 0.4240 by changing the saturation by 10% instead.


 31.2111, 0.4954,
0.4240


 31.2111, 0.4954,
0.4240


307.5097, 0.4042,
0.3855


 20.7596, 0.5152,
0.4284


 61.5723, 0.4638,
0.4135


 12.9484, 0.5377,
0.4303


 82.2508, 0.4514,
0.4084


 7.3930, 0.5686,
0.4314


 107.1071, 0.4406,
0.4037

 3.7091, 0.5879,
0.4121

 136.5256, 0.4313,
0.3993

 1.5122, 0.6188,
0.3812

 170.8908, 0.4232,
0.3954

 0.2973, 0.7459,
0.2541

 210.5869, 0.4161,

 0.0000, 0.0000,

0.3918

0.0000

255.9984, 0.4098,
0.3885

■ 31.2111, 0.4954,
0.4240

■ 31.2111, 0.4954,
0.4240

■ 28.5412, 0.5163,
0.4219

■ 34.2162, 0.4714,
0.4208

■ 26.6807, 0.5303,
0.4171

■ 37.5701, 0.4457,
0.4130

■ 41.2908, 0.4200,
0.4018

■ 45.3931, 0.3952,
0.3886

■ 49.8906, 0.3722,
0.3743

■ 54.7960, 0.3513,
0.3598

■ 60.1215, 0.3327,
0.3455

■ 65.8785, 0.3162,
0.3320

■ 72.0779, 0.3017,
0.3192

Harmonies

Analogous

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



31.2111, 0.5107, 0.3534



31.2111, 0.4954, 0.4240



31.2111, 0.4302, 0.4907

Triad

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



31.2111, 0.4954, 0.4240



31.2111, 0.1796, 0.3536



31.2111, 0.2571, 0.1940

Complementary

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



31.2111, 0.4954, 0.4240



18.4477, 0.1875, 0.1772

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.



31.2111, 0.1871, 0.1820



31.2111, 0.4954, 0.4240



31.2111, 0.1483, 0.2540

Square

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



31.2111, 0.4954, 0.4240



31.2111, 0.2486, 0.4683



31.2111, 0.1517, 0.1992



31.2111, 0.3576, 0.2311

Rectangle

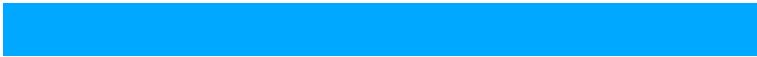
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.2111, 0.4954, 0.4240



31.2111, 0.3718, 0.5181



31.2111, 0.1517, 0.1992



31.2111, 0.2298, 0.1871

Sweetspot

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



31.2127, 0.4954, 0.4240



79.2467, 0.3573, 0.3641



17.0380, 0.4660, 0.2496



16.4069, 0.3647, 0.3693



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.



31.2127, 0.4954, 0.4240



39.6898, 0.5299, 0.4168



61.6569, 0.4095, 0.5006



13.5205, 0.3278, 0.3416



16.3386, 0.5283, 0.4188



1.1503, 0.5044, 0.4377

Inverse Universe

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



18.4477, 0.1875, 0.1772



20.3569, 0.1732, 0.1431



6.7707, 0.1634, 0.0798



12.9407, 0.2982, 0.3161



8.4691, 0.1738, 0.1457



0.6753, 0.1830, 0.1786

Previews

White Background



This preview shows how the Yxy color 31.2111, 0.4954, 0.4240 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 31.2111, 0.4954, 0.4240 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 31.2111, 0.4954, 0.4240

Background



This preview shows how black text looks on a background with the Yxy color 31.2111, 0.4954, 0.4240.



This preview shows how white text looks on a background with the Yxy color 31.2111, 0.4954, 0.4240.

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

31.2111, 0.4954, 0.4240

Protanopia

31.2888, 0.4275, 0.4700

Deuteranopia

31.2628, 0.4633, 0.4528



Tritanopia

31.1688, 0.4153, 0.3184

Trichromacy



Original Color

31.2111, 0.4954, 0.4240

Protanomaly

30.9757, 0.4533, 0.4526

Deuteranomaly

31.1569, 0.4752, 0.4420

Tritanomaly

30.8123, 0.4535, 0.3638

Monochromacy



Original Color

31.2111, 0.4954, 0.4240

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.7692, 0.3828, 0.3802

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2111, 0.4954, 0.4240 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(214, 133, 38)` looks like.

```
.text, #text, p{  
    color:rgb(214, 133, 38)  
}
```

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(214, 133, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 133, 38) }
```

Border

The CSS property to change the border of an element to Yxy 31.2111, 0.4954, 0.4240 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(214, 133, 38) }
```

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

```
.border{ border-color:rgb(214, 133, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 133, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 133, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 133, 38);  
box-shadow:4px 4px 4px 4px rgb(214, 133,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2111, 0.4954, 0.4240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 133, 38) }
```

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

```
.background{ background-color: rgb(214,  
133, 38) }
```

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