

Converting Colors

$Y_{xy}(30.9721, 0.4940, 0.4037)$

Have a look what the booklet for
Yxy(30.9721, 0.4940, 0.4037)
contains.

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Color

Yxy(30.9494, 0.4947, 0.4032)

Conversions

Conversions Part 1

Format	Color
Hex	DC8039
RGB	220, 128, 57
RGB Percent	86%, 50%, 22%
CMY	0.1372, 0.4980, 0.7766
CMYK	0.00, 0.42, 0.74, 0.14
HSL	26°, 70%, 54%
HSV	26°, 74%, 86%
XYZ	37.9729, 30.9494, 7.8371
YIQ	147.4140, 77.6230, -2.5770

Conversions

Conversions Part 2

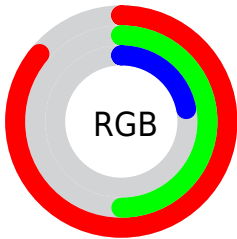
Format	Color
R _Y B	220, 183, 57
Decimal	14450745
CIE Lab	62.46, 30.04, 52.09
CIE LCh	62, 60.133, 60.025
Yxy	30.9494, 0.4947, 0.4032
Android (android.graphics.Color)	4292640825 (0xFFDC8039)
YUV	147.4140, -44.5741, 63.6579
Hunter-Lab	55.6322, 24.4825, 30.5901

Details

The Yxy color **30.9494, 0.4947, 0.4032** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **27.5158, 0.2035, 0.2209**, and the grayscale version is **29.5216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7986, 0.4389, 0.4037**, and **12.8197, 0.5418, 0.4080** is the 20% darker color. If you saturate the color by 10%, you get **27.7343, 0.5236, 0.4032**, and if you desaturate by 10%, it is **34.6590, 0.4641, 0.3985**.

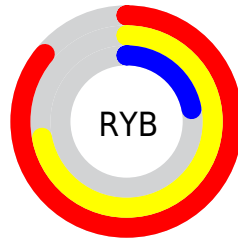
Distribution



Red (86%)

Green (50%)

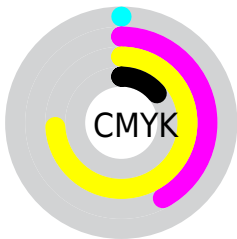
Blue (22%)



Red (86%)

Yellow (72%)

Blue (22%)

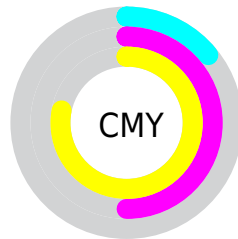


Cyan (0%)

Magenta (42%)

Yellow (74%)

Black (14%)



Cyan (14%)


Magenta (50%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9494, 0.4947, 0.4032 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 30.9494, 0.4947, 0.4032 by changing the saturation by 10% instead.


 30.9494, 0.4947,
0.4032


 30.9494, 0.4947,
0.4032


306.3051, 0.4012,
0.3738


 20.5603, 0.5165,
0.4063


 61.1604, 0.4613,
0.3953

 12.8030, 0.5427,
0.4073


 81.7511, 0.4485,
0.3914


 7.2930, 0.5783,
0.4066


 106.5111, 0.4376,
0.3878

 3.6460, 0.6104,
0.3896

 135.8249, 0.4282,
0.3845

 1.4776, 0.6471,
0.3529

 170.0768, 0.4201,
0.3814

 0.2729, 0.7860,
0.2140

 209.6512, 0.4130,

 0.0000, 0.0000,

0.3787

0.0000

254.9325, 0.4068,
0.3761

■ 30.9494, 0.4947,
0.4032

■ 30.9494, 0.4947,
0.4032

■ 27.7343, 0.5236,
0.4032

■ 34.6590, 0.4641,
0.3985

■ 24.9813, 0.5485,
0.3976

■ 38.8826, 0.4338,
0.3902

■ 23.5582, 0.5613,
0.3925

■ 43.6442, 0.4054,
0.3798

■ 48.9645, 0.3795,
0.3681

■ 54.8630, 0.3566,
0.3562

■ 61.3579, 0.3365,
0.3445

■ 68.4668, 0.3191,
0.3334

■ 76.2063, 0.3042,
0.3230

■ 84.5924, 0.2913,
0.3133

Harmonies

Analogous

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



30.9494, 0.4913, 0.3364



30.9494, 0.4947, 0.4032



30.9494, 0.4447, 0.4680

Triad

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



30.9494, 0.4947, 0.4032



30.9494, 0.2018, 0.3820



30.9494, 0.2398, 0.1953

Complementary

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



30.9494, 0.4947, 0.4032



27.5158, 0.2035, 0.2209

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.



30.9494, 0.1817, 0.1911



30.9494, 0.4947, 0.4032



30.9494, 0.1615, 0.2805

Square

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



30.9494, 0.4947, 0.4032



30.9494, 0.2756, 0.4789



30.9494, 0.1559, 0.2168



30.9494, 0.3284, 0.2248

Rectangle

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



30.9494, 0.4947, 0.4032



30.9494, 0.3932, 0.4994



30.9494, 0.1559, 0.2168



30.9494, 0.2167, 0.1910

Sweetspot

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



30.9510, 0.4947, 0.4032



78.3396, 0.3525, 0.3539



20.3191, 0.4171, 0.2327



16.2587, 0.3583, 0.3572



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.



30.9510, 0.4947, 0.4032



36.5092, 0.5382, 0.4007



61.1777, 0.4175, 0.4812



13.9803, 0.3281, 0.3392



14.0386, 0.5587, 0.3946



1.0789, 0.5305, 0.4170

Inverse Universe

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



27.5158, 0.2035, 0.2209



31.2791, 0.1893, 0.1946



10.1491, 0.1743, 0.1062



13.8302, 0.2982, 0.3186



11.7377, 0.1835, 0.1805



0.9308, 0.1908, 0.2069

Previews

White Background



This preview shows how the Yxy color 30.9494, 0.4947, 0.4032 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 30.9494, 0.4947, 0.4032 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 30.9494, 0.4947, 0.4032

Background



This preview shows how black text looks on a background with the Yxy color 30.9494, 0.4947, 0.4032.



This preview shows how white text looks on a background with the Yxy color 30.9494, 0.4947, 0.4032.

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

30.9494, 0.4947, 0.4032

Protanopia

31.2617, 0.4123, 0.4520

Deuteranopia

31.0133, 0.4501, 0.4420



Tritanopia

30.8652, 0.4278, 0.3188

Trichromacy



Original Color

30.9494, 0.4947, 0.4032

Protanomaly

30.6732, 0.4438, 0.4335

Deuteranomaly

30.7227, 0.4666, 0.4270

Tritanomaly

30.8332, 0.4569, 0.3525

Monochromacy



Original Color

30.9494, 0.4947, 0.4032

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.9697, 0.3792, 0.3677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9494, 0.4947, 0.4032 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(220, 128, 57)` looks like.

```
.text, #text, p{  
    color:rgb(220, 128, 57)  
}
```

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(220, 128, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 128, 57) }
```

Border

The CSS property to change the border of an element to Yxy 30.9494, 0.4947, 0.4032 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(220, 128, 57) }
```

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

```
.border{ border-color:rgb(220, 128, 57) }
```

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

Here you see how a box with a 4 pixel rgb(220, 128, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 128, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 128, 57);  
box-shadow:4px 4px 4px 4px rgb(220, 128,  
57) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 30.9494, 0.4947, 0.4032$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 128, 57) }
```

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

```
.background{ background-color: rgb(220,  
128, 57) }
```

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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