

Converting Colors

$Y_{xy}(27.4633, 0.4896, 0.3734)$

Have a look what the booklet for
Yxy(27.4633, 0.4896, 0.3734)
contains.

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Color

Yxy(27.5212, 0.4893, 0.3739)

Conversions

Conversions Part 1

Format	Color
Hex	D9734B
RGB	217, 115, 75
RGB Percent	85%, 45%, 29%
CMY	0.1490, 0.5490, 0.7059
CMYK	0.00, 0.47, 0.65, 0.15
HSL	17°, 65%, 57%
HSV	17°, 65%, 85%
XYZ	36.0153, 27.5212, 10.0693
YIQ	140.9380, 73.6320, 9.1840

Conversions

Conversions Part 2

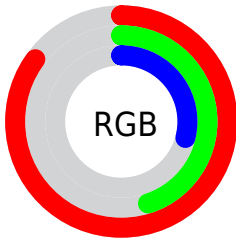
Format	Color
R _Y B	217, 131, 75
Decimal	14250827
CIE Lab	59.45, 36.58, 39.65
CIE LCh	59, 53.948, 47.303
Yxy	27.5212, 0.4893, 0.3739
Android (android.graphics.Color)	4292440907 (0xFFD9734B)
YUV	140.9380, -32.5074, 66.7064
Hunter-Lab	52.4607, 30.7377, 25.3424

Details

The Yxy color **27.5212, 0.4893, 0.3739** 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 **37.9427, 0.2218, 0.2702**, and the grayscale version is **26.7196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7459, 0.4341, 0.3737**, and **10.9187, 0.5456, 0.3735** is the 20% darker color. If you saturate the color by 10%, you get **24.0152, 0.5273, 0.3750**, and if you desaturate by 10%, it is **31.7323, 0.4521, 0.3696**.

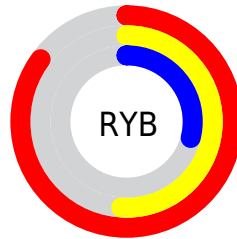
Distribution



Red (85%)

Green (45%)

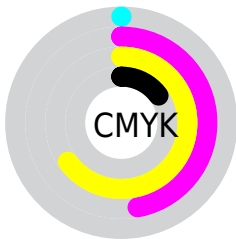
Blue (29%)



Red (85%)

Yellow (51%)

Blue (29%)

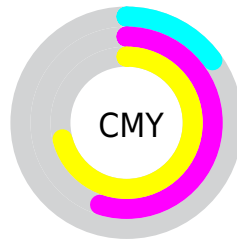


Cyan (0%)

Magenta (47%)

Yellow (65%)

Black (15%)



Cyan (15%)


Magenta (55%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5212, 0.4893, 0.3739 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 27.5212, 0.4893, 0.3739 by changing the saturation by 10% instead.


 27.5212, 0.4893,
0.3739


 27.5212, 0.4893,
0.3739


290.1719, 0.3945,
0.3572


 17.9650, 0.5137,
0.3749


 55.7191, 0.4539,
0.3699


 10.9249, 0.5446,
0.3738


 75.1296, 0.4409,
0.3677


 6.0164, 0.5845,
0.3679

 98.5938, 0.4299,
0.3656

 2.8550, 0.6441,
0.3559

 126.4959, 0.4207,
0.3637

 1.0565, 0.6926,
0.3074

 159.2203, 0.4127,
0.3618

 0.0000, 1.0000,
0.0000

197.1516, 0.4058,

 0.0000, 0.0000,

0.3602

0.0000

240.6739, 0.3998,
0.3586

■ 27.5212, 0.4893,
0.3739

■ 27.5212, 0.4893,
0.3739

■ 24.0152, 0.5273,
0.3750

■ 31.7323, 0.4521,
0.3696

■ 21.1690, 0.5626,
0.3718

■ 36.6816, 0.4179,
0.3631


■ 18.9380, 0.5913,
0.3641


■ 42.4050, 0.3878,
0.3556


■ 18.1044, 0.6023,
0.3600

■ 48.9349, 0.3618,
0.3478

■ 56.3015, 0.3399,
0.3401

 64.5336, 0.3215,
0.3328

 73.6586, 0.3060,
0.3260

 83.7026, 0.2930,
0.3197

 93.4913, 0.2900,
0.3289

Harmonies

Analogous

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



27.5212, 0.4601, 0.3114



27.5212, 0.4893, 0.3739



27.5212, 0.4625, 0.4370

Triad

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



27.5212, 0.4893, 0.3739



27.5212, 0.2355, 0.4207



27.5212, 0.2170, 0.1976

Complementary

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



27.5212, 0.4893, 0.3739



37.9427, 0.2218, 0.2702

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.



27.5212, 0.1747, 0.2055



27.5212, 0.4893, 0.3739



27.5212, 0.1822, 0.3215

Square

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



27.5212, 0.4893, 0.3739



27.5212, 0.3142, 0.4883



27.5212, 0.1627, 0.2449



27.5212, 0.2898, 0.2159

Rectangle

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



27.5212, 0.4893, 0.3739



27.5212, 0.4218, 0.4731



27.5212, 0.1627, 0.2449



27.5212, 0.1995, 0.1971

Sweetspot

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



27.5227, 0.4893, 0.3739



75.9551, 0.3498, 0.3437



23.0426, 0.3657, 0.2145



15.6217, 0.3562, 0.3459



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.



27.5227, 0.4893, 0.3739



32.7423, 0.5429, 0.3742



49.4833, 0.4264, 0.4490



13.6460, 0.3285, 0.3357



11.1150, 0.5997, 0.3620



0.8647, 0.5673, 0.3877

Inverse Universe

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



37.9427, 0.2218, 0.2702



48.4872, 0.2093, 0.2550



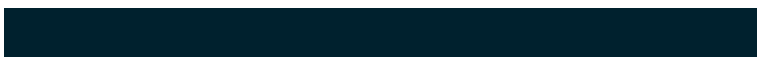
17.2575, 0.1964, 0.1629



14.1770, 0.2982, 0.3223



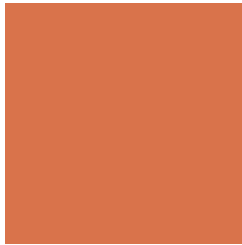
17.5832, 0.1986, 0.2351



1.2823, 0.2034, 0.2522

Previews

White Background



This preview shows how the Yxy color 27.5212, 0.4893, 0.3739 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5212, 0.4893, 0.3739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

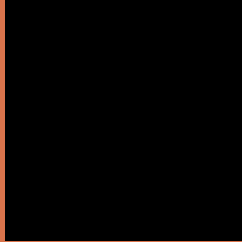
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.5212, 0.4893, 0.3739

Background



This preview shows how black text looks on a background with the Yxy color 27.5212, 0.4893, 0.3739.



This preview shows how white text looks on a background with the Yxy color 27.5212, 0.4893, 0.3739.

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

27.5212, 0.4893, 0.3739

Protanopia

27.7705, 0.3872, 0.4214

Deuteranopia

27.6806, 0.4302, 0.4225



Tritanopia

27.4963, 0.4438, 0.3211

Trichromacy



Original Color

27.5212, 0.4893, 0.3739

Protanomaly

26.9528, 0.4254, 0.4029

Deuteranomaly

27.3749, 0.4528, 0.4030

Tritanomaly

27.4531, 0.4611, 0.3411

Monochromacy



Original Color

27.5212, 0.4893, 0.3739

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.2219, 0.3736, 0.3521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5212, 0.4893, 0.3739 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(217, 115, 75)` looks like.

```
.text, #text, p{  
    color:rgb(217, 115, 75)  
}
```

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(217, 115, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 115, 75) }
```

Border

The CSS property to change the border of an element to Yxy 27.5212, 0.4893, 0.3739 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(217, 115, 75) }
```

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

```
.border{ border-color:rgb(217, 115, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 115, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 115, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 115, 75);  
box-shadow:4px 4px 4px 4px rgb(217, 115,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5212, 0.4893, 0.3739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 115, 75) }
```

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

```
.background{ background-color: rgb(217,  
115, 75) }
```

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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