

Converting Colors

$Y_{xy}(29.7689, 0.4674, 0.3761)$

Have a look what the booklet for
Yxy(29.7689, 0.4674, 0.3761)
contains.

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Color

Yxy(29.7702, 0.4674, 0.3761)

Conversions

Conversions Part 1

Format	Color
Hex	D77D55
RGB	215, 125, 85
RGB Percent	84%, 49%, 33%
CMY	0.1569, 0.5098, 0.6667
CMYK	0.00, 0.42, 0.60, 0.16
HSL	18°, 62%, 59%
HSV	18°, 60%, 84%
XYZ	36.9971, 29.7702, 12.3878
YIQ	147.3500, 66.4800, 6.6400

Conversions

Conversions Part 2

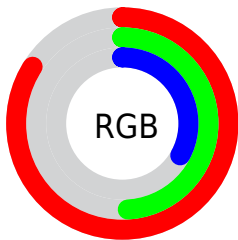
Format	Color
R _Y B	215, 143, 85
Decimal	14122325
CIE Lab	61.46, 31.21, 36.63
CIE LCh	61, 48.127, 49.567
Yxy	29.7702, 0.4674, 0.3761
Android (android.graphics.Color)	4292312405 (0xFFD77D55)
YUV	147.3500, -30.7385, 59.3291
Hunter-Lab	54.5621, 25.5523, 24.7323

Details

The Yxy color **29.7702, 0.4674, 0.3761** 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 **37.4887, 0.2259, 0.2703**, and the grayscale version is **29.4399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2778, 0.4182, 0.3740**, and **12.2400, 0.5158, 0.3808** is the 20% darker color. If you saturate the color by 10%, you get **25.9903, 0.5041, 0.3795**, and if you desaturate by 10%, it is **34.2215, 0.4326, 0.3700**.

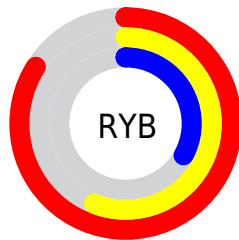
Distribution



Red (84%)

Green (49%)

Blue (33%)



Red (84%)

Yellow (56%)

Blue (33%)

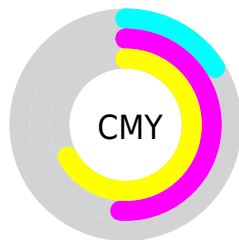


Cyan (0%)

Magenta (42%)

Yellow (60%)

Black (16%)



Cyan (16%)


Magenta (51%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7702, 0.4674, 0.3761 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 29.7702, 0.4674, 0.3761 by changing the saturation by 10% instead.


 29.7702, 0.4674,
0.3761


 29.7702, 0.4674,
0.3761


300.8318, 0.3849,
0.3566


 19.6642, 0.4888,
0.3787


 59.2986, 0.4366,
0.3705

 12.1512, 0.5161,
0.3803


 79.4898, 0.4252,
0.3679

 6.8467, 0.5515,
0.3790


 103.8115, 0.4157,
0.3655

 3.3664, 0.6159,
0.3813

 132.6481, 0.4077,
0.3634

 1.3259, 0.6573,
0.3427

 166.3841, 0.4007,
0.3614

 0.1611, 0.8506,
0.1494

205.4038, 0.3948,

 0.0000, 0.0000,

0.3597

0.0000

250.0915, 0.3895,
0.3581

■ 29.7702, 0.4674,
0.3761

■ 29.7702, 0.4674,
0.3761

■ 25.9903, 0.5041,
0.3795

■ 34.2215, 0.4326,
0.3700

■ 22.8424, 0.5401,
0.3789

■ 39.3717, 0.4012,
0.3622

■ 20.2897, 0.5718,
0.3736

■ 45.2520, 0.3737,
0.3538

■ 18.3645, 0.5959,
0.3650

■ 51.8903, 0.3502,
0.3453

■ 59.3131, 0.3302,
0.3371

■ 67.5456, 0.3134,
0.3294

■ 76.6117, 0.2993,
0.3222

■ 86.4056, 0.2884,
0.3177

■ 93.1869, 0.2889,
0.3289

Harmonies

Analogous

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



29.7702, 0.4445, 0.3192



29.7702, 0.4674, 0.3761



29.7702, 0.4426, 0.4311

Triad

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



29.7702, 0.4674, 0.3761



29.7702, 0.2413, 0.4016



29.7702, 0.2324, 0.2122

Complementary

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



29.7702, 0.4674, 0.3761



37.4887, 0.2259, 0.2703

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.



29.7702, 0.1916, 0.2182



29.7702, 0.4674, 0.3761



29.7702, 0.1950, 0.3179

Square

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



29.7702, 0.4674, 0.3761



29.7702, 0.3104, 0.4628



29.7702, 0.1787, 0.2525



29.7702, 0.2990, 0.2302

Rectangle

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



29.7702, 0.4674, 0.3761



29.7702, 0.4063, 0.4597



29.7702, 0.1787, 0.2525



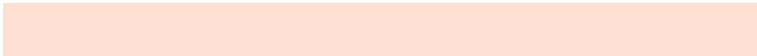
29.7702, 0.2157, 0.2114

Sweetspot

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



29.7717, 0.4674, 0.3761



78.7662, 0.3453, 0.3434



24.0764, 0.3660, 0.2253



16.2029, 0.3516, 0.3458



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.



29.7717, 0.4674, 0.3761



36.6481, 0.5160, 0.3798



51.4963, 0.4149, 0.4464



13.0381, 0.3283, 0.3362



11.1502, 0.5932, 0.3672



0.8179, 0.5590, 0.3944

Inverse Universe

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



37.4887, 0.2259, 0.2703



48.7306, 0.2124, 0.2548



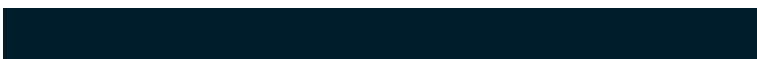
18.2036, 0.2036, 0.1708



13.4327, 0.2982, 0.3217



15.9525, 0.1961, 0.2260



1.1059, 0.2016, 0.2459

Previews

White Background



This preview shows how the Yxy color 29.7702, 0.4674, 0.3761 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 29.7702, 0.4674, 0.3761 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 29.7702, 0.4674, 0.3761

Background



This preview shows how black text looks on a background with the Yxy color 29.7702, 0.4674, 0.3761.



This preview shows how white text looks on a background with the Yxy color 29.7702, 0.4674, 0.3761.

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

29.7702, 0.4674, 0.3761

Protanopia

29.9844, 0.3813, 0.4132

Deuteranopia

29.8852, 0.4213, 0.4134



Tritanopia

29.8969, 0.4226, 0.3196

Trichromacy



Original Color

29.7702, 0.4674, 0.3761

Protanomaly

29.3353, 0.4119, 0.3985

Deuteranomaly

29.6868, 0.4387, 0.3998

Tritanomaly

29.8406, 0.4405, 0.3414

Monochromacy



Original Color

29.7702, 0.4674, 0.3761

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.6911, 0.3662, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7702, 0.4674, 0.3761 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(215, 125, 85)` looks like.

```
.text, #text, p{  
    color:rgb(215, 125, 85)  
}
```

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(215, 125, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 125, 85) }
```

Border

The CSS property to change the border of an element to Yxy 29.7702, 0.4674, 0.3761 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(215, 125, 85) }
```

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

```
.border{ border-color:rgb(215, 125, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 125, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 125, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 125, 85);  
box-shadow:4px 4px 4px 4px rgb(215, 125,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7702, 0.4674, 0.3761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 125, 85) }
```

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

```
.background{ background-color: rgb(215,  
125, 85) }
```

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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