

Converting Colors

$Y_{xy}(25.6747, 0.4720, 0.3705)$

Have a look what the booklet for
Yxy(25.6747, 0.4720, 0.3705)
contains.

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Color

Yxy(25.5930, 0.4728, 0.3707)

Conversions

Conversions Part 1

Format	Color
Hex	CD7250
RGB	205, 114, 80
RGB Percent	80%, 45%, 31%
CMY	0.1961, 0.5529, 0.6864
CMYK	0.00, 0.44, 0.61, 0.20
HSL	16°, 56%, 56%
HSV	16°, 61%, 80%
XYZ	32.6419, 25.5930, 10.8047
YIQ	137.3330, 65.1500, 8.7180

Conversions

Conversions Part 2

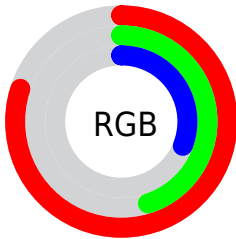
Format	Color
RYB	205, 127, 80
Decimal	13464144
CIELab	57.65, 32.69, 34.39
CIELCh	58, 47.449, 46.445
Yxy	25.5930, 0.4728, 0.3707
Android (android.graphics.Color)	4291654224 (0xFFCD7250)
YUV	137.3330, -28.2652, 59.3440
Hunter-Lab	50.5895, 26.6421, 22.7497

Details

The Yxy color **25.5930, 0.4728, 0.3707** 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 **35.2287, 0.2272, 0.2771**, and the grayscale version is **25.2398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5091, 0.4302, 0.3677**, and **9.8933, 0.5263, 0.3725** is the 20% darker color. If you saturate the color by 10%, you get **22.2401, 0.5111, 0.3733**, and if you desaturate by 10%, it is **29.5901, 0.4365, 0.3655**.

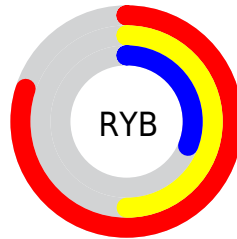
Distribution



Red (80%)

Green (45%)

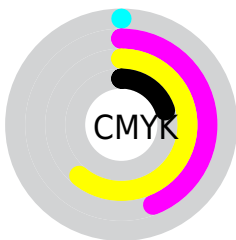
Blue (31%)



Red (80%)

Yellow (50%)

Blue (31%)

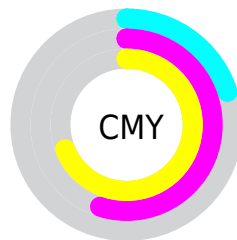


Cyan (0%)

Magenta (44%)

Yellow (61%)

Black (20%)



Cyan (20%)


Magenta (55%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.5930, 0.4728, 0.3707 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 25.5930, 0.4728, 0.3707 by changing the saturation by 10% instead.


 25.5930, 0.4728,
0.3707


 25.5930, 0.4728,
0.3707


280.7784, 0.3853,
0.3538


 16.5194, 0.4963,
0.3725


 52.6176, 0.4396,
0.3661


 9.8924, 0.5267,
0.3727


 71.3374, 0.4275,
0.3639

 5.3277, 0.5669,
0.3688

 94.0415, 0.4174,
0.3618

 2.4408, 0.6362,
0.3638

 121.1141, 0.4089,
0.3599

 0.8468, 0.6866,
0.3134

 152.9397, 0.4017,
0.3581

 0.0000, 1.0000,
0.0000

189.9027, 0.3955,

 0.0000, 0.0000,

0.3566

0.0000

232.3874, 0.3901,
0.3551

■ 25.5930, 0.4728,
0.3707

■ 25.5930, 0.4728,
0.3707

■ 22.2401, 0.5111,
0.3733

■ 29.5901, 0.4365,
0.3655

■ 19.4920, 0.5484,
0.3721

■ 34.2598, 0.4040,
0.3587

■ 17.3110, 0.5808,
0.3665

■ 39.6335, 0.3756,
0.3513

■ 15.7879, 0.6039,
0.3587

■ 45.7394, 0.3515,
0.3438

■ 52.6042, 0.3313,
0.3365

■ 60.2531, 0.3142,
0.3296

■ 68.7102, 0.3000,
0.3233

■ 77.9985, 0.2880,
0.3175

■ 87.5143, 0.2828,
0.3219

Harmonies

Analogous

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



25.5930, 0.4441, 0.3126



25.5930, 0.4728, 0.3707



25.5930, 0.4514, 0.4283

Triad

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



25.5930, 0.4728, 0.3707



25.5930, 0.2452, 0.4131



25.5930, 0.2240, 0.2081

Complementary

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



25.5930, 0.4728, 0.3707



35.2287, 0.2272, 0.2771

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.



25.5930, 0.1851, 0.2168



25.5930, 0.4728, 0.3707



25.5930, 0.1946, 0.3258

Square

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



25.5930, 0.4728, 0.3707



25.5930, 0.3179, 0.4718



25.5930, 0.1750, 0.2551



25.5930, 0.2902, 0.2243

Rectangle

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



25.5930, 0.4728, 0.3707



25.5930, 0.4156, 0.4600



25.5930, 0.1750, 0.2551



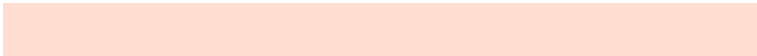
25.5930, 0.2078, 0.2080

Sweetspot

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



25.5943, 0.4728, 0.3707



77.8947, 0.3456, 0.3417



21.6793, 0.3607, 0.2205



15.9930, 0.3520, 0.3439



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.



25.5943, 0.4728, 0.3707



35.0041, 0.5223, 0.3734



44.5422, 0.4186, 0.4427



11.7022, 0.3283, 0.3354



9.9653, 0.6014, 0.3607



0.6429, 0.5620, 0.3920

Inverse Universe

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



35.2287, 0.2272, 0.2771



51.8254, 0.2147, 0.2639



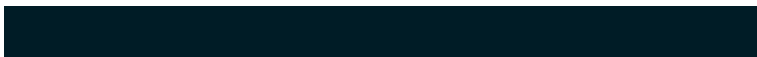
17.0820, 0.2044, 0.1763



12.1905, 0.2983, 0.3225



16.3310, 0.1997, 0.2389



0.9645, 0.2052, 0.2585

Previews

White Background



This preview shows how the Yxy color 25.5930, 0.4728, 0.3707 looks on a white background.

Color Contrast Check

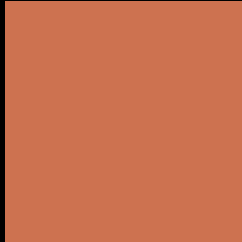
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.5930, 0.4728, 0.3707 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 25.5930, 0.4728, 0.3707

Background



This preview shows how black text looks on a background with the Yxy color 25.5930, 0.4728, 0.3707.



This preview shows how white text looks on a background with the Yxy color 25.5930, 0.4728, 0.3707.

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

25.5930, 0.4728, 0.3707

Protanopia

25.7658, 0.3794, 0.4107

Deuteranopia

25.5704, 0.4208, 0.4118



Tritanopia

25.4870, 0.4310, 0.3192

Trichromacy



Original Color

25.5930, 0.4728, 0.3707

Protanomaly

25.2951, 0.4131, 0.3950

Deuteranomaly

25.2703, 0.4414, 0.3956

Tritanomaly

25.4902, 0.4463, 0.3382

Monochromacy



Original Color

25.5930, 0.4728, 0.3707

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.6429, 0.3676, 0.3497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5930, 0.4728, 0.3707 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(205, 114, 80)` looks like.

```
.text, #text, p{  
    color:rgb(205, 114, 80)  
}
```

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(205, 114, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 114, 80) }
```

Border

The CSS property to change the border of an element to Yxy 25.5930, 0.4728, 0.3707 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(205, 114, 80) }
```

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

```
.border{ border-color:rgb(205, 114, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 114, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 114, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 114, 80);  
box-shadow:4px 4px 4px 4px rgb(205, 114,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5930, 0.4728, 0.3707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 114, 80) }
```

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

```
.background{ background-color: rgb(205,  
114, 80) }
```

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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