

Converting Colors

$Y_{xy}(25.8778, 0.4694, 0.3586)$

Have a look what the booklet for
Yxy(25.8778, 0.4694, 0.3586)
contains.

Yxy(25.8482, 0.4693, 0.3583)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.8482, 0.4693, 0.3583)

Conversions

Conversions Part 1

Format	Color
Hex	D17058
RGB	209, 112, 88
RGB Percent	82%, 44%, 35%
CMY	0.1803, 0.5608, 0.6549
CMYK	0.00, 0.46, 0.58, 0.18
HSL	12°, 57%, 58%
HSV	12°, 58%, 82%
XYZ	33.8559, 25.8482, 12.4371
YIQ	138.2670, 65.5160, 13.1000

Conversions

Conversions Part 2

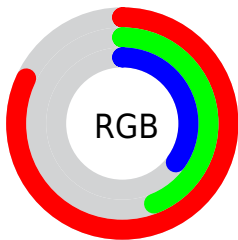
Format	Color
R_{YB}	209, 118, 88
Decimal	13725784
CIE Lab	57.89, 35.93, 30.36
CIE LCh	58, 47.041, 40.197
Yxy	25.8482, 0.4693, 0.3583
Android (android.graphics.Color)	4291915864 (0xFFD17058)
YUV	138.2670, -24.7816, 62.0328
Hunter-Lab	50.8411, 29.8939, 21.0848

Details

The Yxy color **25.8482, 0.4693, 0.3583** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted orange. A complement of this color would be **41.3940, 0.2335, 0.2938**, and the grayscale version is **25.6006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0052, 0.4239, 0.3575**, and **9.9887, 0.5238, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **22.1913, 0.5105, 0.3604**, and if you desaturate by 10%, it is **30.2955, 0.4312, 0.3543**.

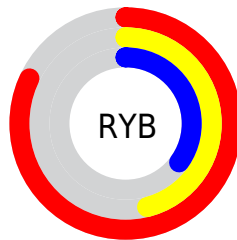
Distribution



Red (82%)

Green (44%)

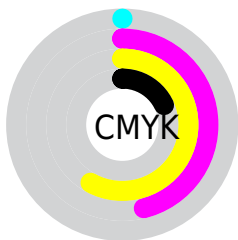
Blue (35%)



Red (82%)

Yellow (46%)

Blue (35%)

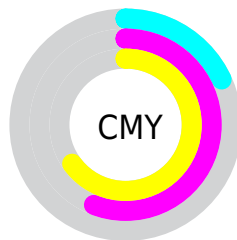


Cyan (0%)

Magenta (46%)

Yellow (58%)

Black (18%)



Cyan (18%)


Magenta (56%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8482, 0.4693, 0.3583 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 25.8482, 0.4693, 0.3583 by changing the saturation by 10% instead.


 25.8482, 0.4693,
0.3583


 25.8482, 0.4693,
0.3583


282.0361, 0.3834,
0.3476


 16.7101, 0.4927,
0.3588


 53.0300, 0.4365,
0.3558


 10.0280, 0.5234,
0.3577


 71.8424, 0.4246,
0.3544


 5.4175, 0.5648,
0.3527

 94.6484, 0.4147,
0.3530

 2.4943, 0.6446,
0.3506

 121.8325, 0.4065,
0.3517

 0.8738, 0.7000,
0.3000

 153.7788, 0.3994,
0.3506

 0.0000, 1.0000,
0.0000

190.8720, 0.3933,

 0.0000, 0.0000,

0.3495

0.0000

233.4963, 0.3880,
0.3485

■ 25.8482, 0.4693,
0.3583

■ 25.8482, 0.4693,
0.3583

■ 22.1913, 0.5105,
0.3604

■ 30.2955, 0.4312,
0.3543

■ 19.2737, 0.5515,
0.3596

■ 35.5720, 0.3978,
0.3492

■ 17.0444, 0.5876,
0.3553

■ 41.7191, 0.3693,
0.3437

■ 15.4418, 0.6144,
0.3480

■ 48.7740, 0.3455,
0.3382

■ 15.1750, 0.6192,
0.3466

■ 56.7716, 0.3258,
0.3329

■ 65.7453, 0.3095,
0.3280

■ 75.7265, 0.2961,
0.3235

■ 86.7311, 0.2850,
0.3196

■ 92.2993, 0.2855,
0.3289

Harmonies

Analogous

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



25.8482, 0.4305, 0.3015



25.8482, 0.4693, 0.3583



25.8482, 0.4579, 0.4161

Triad

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



25.8482, 0.4693, 0.3583



25.8482, 0.2597, 0.4281



25.8482, 0.2146, 0.2089

Complementary

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



25.8482, 0.4693, 0.3583



41.3940, 0.2335, 0.2938

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.



25.8482, 0.1819, 0.2233



25.8482, 0.4693, 0.3583



25.8482, 0.2039, 0.3436

Square

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



25.8482, 0.4693, 0.3583



25.8482, 0.3340, 0.4747



25.8482, 0.1779, 0.2680



25.8482, 0.2749, 0.2201

Rectangle

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



25.8482, 0.4693, 0.3583



25.8482, 0.4270, 0.4500



25.8482, 0.1779, 0.2680



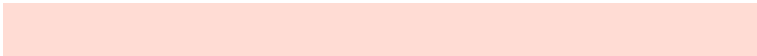
25.8482, 0.2005, 0.2107

Sweetspot

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



25.8496, 0.4693, 0.3583



77.3094, 0.3440, 0.3378



24.1197, 0.3447, 0.2146



16.0365, 0.3484, 0.3389



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.



25.8496, 0.4693, 0.3583



33.8426, 0.5183, 0.3605



43.2772, 0.4207, 0.4277



12.1822, 0.3286, 0.3337



9.4655, 0.6170, 0.3483



0.6429, 0.5818, 0.3762

Inverse Universe

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



41.3940, 0.2335, 0.2938



60.1372, 0.2225, 0.2853



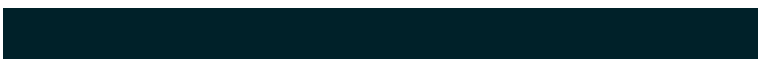
21.6846, 0.2133, 0.2007



12.9923, 0.2983, 0.3243



20.1503, 0.2068, 0.2646



1.2306, 0.2105, 0.2777

Previews

White Background



This preview shows how the Yxy color 25.8482, 0.4693, 0.3583 looks on a white background.

Color Contrast Check

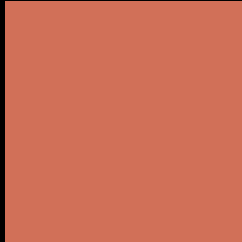
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8482, 0.4693, 0.3583 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 25.8482, 0.4693, 0.3583

Background



This preview shows how black text looks on a background with the Yxy color 25.8482, 0.4693, 0.3583.



This preview shows how white text looks on a background with the Yxy color 25.8482, 0.4693, 0.3583.

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

25.8482, 0.4693, 0.3583

Protanopia

25.8501, 0.3677, 0.3950

Deuteranopia

25.8502, 0.4105, 0.4027



Tritanopia

25.8350, 0.4375, 0.3195

Trichromacy



Original Color

25.8482, 0.4693, 0.3583

Protanomaly

25.1847, 0.4036, 0.3806

Deuteranomaly

25.5135, 0.4338, 0.3851

Tritanomaly

25.6795, 0.4494, 0.3331

Monochromacy



Original Color

25.8482, 0.4693, 0.3583

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.9491, 0.3653, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8482, 0.4693, 0.3583 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(209, 112, 88)` looks like.

```
.text, #text, p{  
    color:rgb(209, 112, 88)  
}
```

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(209, 112, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 112, 88) }
```

Border

The CSS property to change the border of an element to Yxy 25.8482, 0.4693, 0.3583 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(209, 112, 88) }
```

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

```
.border{ border-color:rgb(209, 112, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 112, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 112, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 112, 88);  
box-shadow:4px 4px 4px 4px rgb(209, 112,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8482, 0.4693, 0.3583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 112, 88) }
```

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

```
.background{ background-color: rgb(209,  
112, 88) }
```

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