

Converting Colors

$Y_{xy}(25.8717, 0.5097, 0.3938)$

Have a look what the booklet for
Yxy(25.8717, 0.5097, 0.3938)
contains.

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Color

Yxy(25.8244, 0.5104, 0.3930)

Conversions

Conversions Part 1

Format	Color
Hex	D47033
RGB	212, 112, 51
RGB Percent	83%, 44%, 20%
CMY	0.1687, 0.5607, 0.8000
CMYK	0.00, 0.47, 0.76, 0.17
HSL	23°, 65%, 52%
HSV	23°, 76%, 83%
XYZ	33.5389, 25.8244, 6.3477
YIQ	134.9460, 79.1810, 2.2290

Conversions

Conversions Part 2

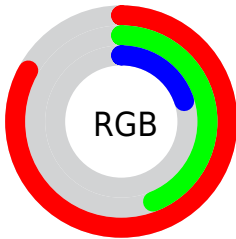
Format	Color
R _Y B	212, 149, 51
Decimal	13922355
CIE Lab	57.87, 34.92, 49.81
CIE LCh	58, 60.832, 54.969
Yxy	25.8244, 0.5104, 0.3930
Android (android.graphics.Color)	4292112435 (0xFFD47033)
YUV	134.9460, -41.3854, 67.5764
Hunter-Lab	50.8177, 28.8761, 28.1664

Details

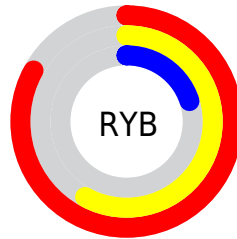
The Yxy color **25.8244, 0.5104, 0.3930** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **27.5739, 0.2056, 0.2333**, and the grayscale version is **24.3433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1099, 0.4566, 0.3931**, and **10.0246, 0.5640, 0.3903** is the 20% darker color. If you saturate the color by 10%, you get **22.9835, 0.5414, 0.3910**, and if you desaturate by 10%, it is **29.1778, 0.4772, 0.3902**.

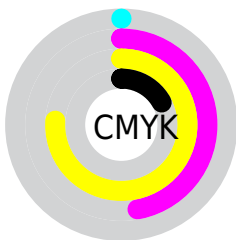
Distribution



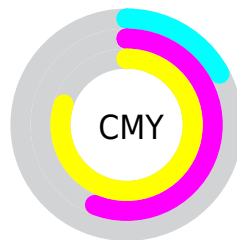
- Red (83%)
- Green (44%)
- Blue (20%)



- Red (83%)
- Yellow (58%)
- Blue (20%)



- Cyan (0%)
- Magenta (47%)
- Yellow (76%)
- Black (17%)





- Cyan (17%)
- Magenta (56%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8244, 0.5104, 0.3930 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 25.8244, 0.5104, 0.3930 by changing the saturation by 10% instead.


 25.8244, 0.5104,
0.3930


 25.8244, 0.5104,
0.3930

281.9190, 0.4058,
0.3694


 16.6923, 0.5357,
0.3939


 52.9915, 0.4723,
0.3877

 10.0154, 0.5662,
0.3913


 71.7954, 0.4579,
0.3846

 5.4091, 0.6124,
0.3876

 94.5919, 0.4457,
0.3816

 2.4893, 0.6440,
0.3560

 121.7655, 0.4353,
0.3788

 0.8713, 0.6955,
0.3045

 153.7007, 0.4264,
0.3761

 0.0000, 1.0000,
0.0000

 190.7817, 0.4186,

 0.0000, 0.0000,

0.3737

0.0000

233.3930, 0.4118,
0.3715

■ 25.8244, 0.5104,
0.3930

■ 25.8244, 0.5104,
0.3930

■ 22.9835, 0.5414,
0.3910

■ 29.1778, 0.4772,
0.3902

■ 20.6200, 0.5675,
0.3837

■ 33.0672, 0.4443,
0.3838

■ 19.7841, 0.5770,
0.3800

■ 37.5190, 0.4135,
0.3750

■ 42.5564, 0.3857,
0.3650

■ 48.2013, 0.3614,
0.3546

■ 54.4743, 0.3403,
0.3443

■ 61.3948, 0.3222,
0.3345

■ 68.9815, 0.3067,
0.3254

■ 77.2524, 0.2936,
0.3169

Harmonies

Analogous

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



25.8244, 0.4969, 0.3237



25.8244, 0.5104, 0.3930



25.8244, 0.4634, 0.4638

Triad

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



25.8244, 0.5104, 0.3930



25.8244, 0.2049, 0.4061



25.8244, 0.2220, 0.1851

Complementary

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



25.8244, 0.5104, 0.3930



27.5739, 0.2056, 0.2333

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.



25.8244, 0.1672, 0.1851



25.8244, 0.5104, 0.3930



25.8244, 0.1568, 0.2919

Square

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



25.8244, 0.5104, 0.3930



25.8244, 0.2871, 0.5033



25.8244, 0.1458, 0.2173



25.8244, 0.3113, 0.2118

Rectangle

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



25.8244, 0.5104, 0.3930



25.8244, 0.4110, 0.5034



25.8244, 0.1458, 0.2173



25.8244, 0.1998, 0.1819

Sweetspot

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



25.8258, 0.5104, 0.3930



75.7073, 0.3553, 0.3518



18.6593, 0.4025, 0.2204



15.4909, 0.3635, 0.3556



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.



25.8258, 0.5104, 0.3930



32.6723, 0.5579, 0.3872



51.2836, 0.4278, 0.4742



13.1846, 0.3282, 0.3379



12.3949, 0.5745, 0.3820



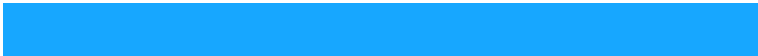
0.9047, 0.5421, 0.4078

Inverse Universe

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



27.5739, 0.2056, 0.2333



35.0513, 0.1930, 0.2099



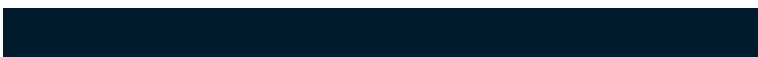
10.1501, 0.1749, 0.1138



13.2801, 0.2982, 0.3199



13.2599, 0.1891, 0.2006



0.9571, 0.1959, 0.2252

Previews

White Background



This preview shows how the Yxy color 25.8244, 0.5104, 0.3930 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 25.8244, 0.5104, 0.3930 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 25.8244, 0.5104, 0.3930

Background



This preview shows how black text looks on a background with the Yxy color 25.8244, 0.5104, 0.3930.



This preview shows how white text looks on a background with the Yxy color 25.8244, 0.5104, 0.3930.

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

25.8244, 0.5104, 0.3930

Protanopia

26.0405, 0.4109, 0.4518

Deuteranopia

26.0785, 0.4519, 0.4440



Tritanopia

25.7425, 0.4480, 0.3198

Trichromacy



Original Color

25.8244, 0.5104, 0.3930

Protanomaly

25.4809, 0.4483, 0.4294

Deuteranomaly

25.5638, 0.4743, 0.4242

Tritanomaly

25.7595, 0.4754, 0.3505

Monochromacy



Original Color

25.8244, 0.5104, 0.3930

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.9648, 0.3843, 0.3656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8244, 0.5104, 0.3930 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(212, 112, 51)` looks like.

```
.text, #text, p{  
    color:rgb(212, 112, 51)  
}
```

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(212, 112, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 112, 51) }
```

Border

The CSS property to change the border of an element to Yxy 25.8244, 0.5104, 0.3930 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(212, 112, 51) }
```

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

```
.border{ border-color:rgb(212, 112, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 112, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 112, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 112, 51);  
box-shadow:4px 4px 4px 4px rgb(212, 112,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8244, 0.5104, 0.3930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 112, 51) }
```

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

```
.background{ background-color: rgb(212,  
112, 51) }
```

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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