

Converting Colors

$Y_{xy}(27.8660, 0.4683, 0.3575)$

Have a look what the booklet for
Yxy(27.8660, 0.4683, 0.3575)
contains.

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Color

Yxy(27.8624, 0.4683, 0.3575)

Conversions

Conversions Part 1

Format	Color
Hex	D8745C
RGB	216, 116, 92
RGB Percent	85%, 45%, 36%
CMY	0.1529, 0.5451, 0.6393
CMYK	0.00, 0.46, 0.57, 0.15
HSL	12°, 61%, 60%
HSV	12°, 57%, 85%
XYZ	36.4978, 27.8624, 13.5766
YIQ	143.1640, 67.3040, 13.7360

Conversions

Conversions Part 2

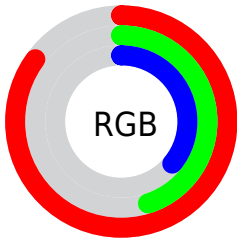
Format	Color
RYB	216, 122, 92
Decimal	14185564
CIELab	59.76, 36.85, 30.71
CIELCh	60, 47.972, 39.805
Yxy	27.8624, 0.4683, 0.3575
Android (android.graphics.Color)	4292375644 (0xFFD8745C)
YUV	143.1640, -25.2239, 63.8772
Hunter-Lab	52.7848, 31.0494, 21.6996

Details

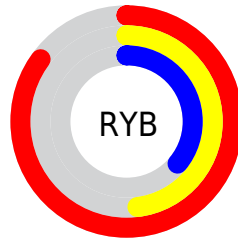
The Yxy color **27.8624, 0.4683, 0.3575** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted orange. A complement of this color would be **44.9310, 0.2340, 0.2949**, and the grayscale version is **27.6200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9926, 0.4166, 0.3576**, and **11.1382, 0.5217, 0.3572** is the 20% darker color. If you saturate the color by 10%, you get **23.8922, 0.5097, 0.3596**, and if you desaturate by 10%, it is **32.6961, 0.4301, 0.3535**.

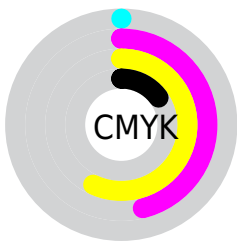
Distribution



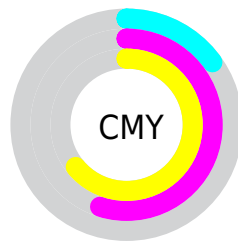
- Red (85%)
- Green (45%)
- Blue (36%)



- Red (85%)
- Yellow (48%)
- Blue (36%)



- Cyan (0%)
- Magenta (46%)
- Yellow (57%)
- Black (15%)





- Cyan (15%)
- Magenta (55%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8624, 0.4683, 0.3575 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 27.8624, 0.4683, 0.3575 by changing the saturation by 10% instead.


 27.8624, 0.4683,
0.3575


 27.8624, 0.4683,
0.3575


291.8088, 0.3838,
0.3473


 18.2220, 0.4909,
0.3580


 56.2647, 0.4363,
0.3551

 11.1095, 0.5205,
0.3570


 75.7953, 0.4246,
0.3538

 6.1405, 0.5601,
0.3525

 99.3915, 0.4149,
0.3525

 2.9307, 0.6260,
0.3462

 127.4375, 0.4068,
0.3513

 1.0957, 0.6919,
0.3081

160.3179, 0.3998,
0.3502

 0.0000, 1.0000,
0.0000

198.4170, 0.3937,

 0.0000, 0.0000,

0.3491

0.0000

242.1192, 0.3885,
0.3482

■ 27.8624, 0.4683,
0.3575

■ 27.8624, 0.4683,
0.3575

■ 23.8922, 0.5097,
0.3596

■ 32.6961, 0.4301,
0.3535

■ 20.7295, 0.5510,
0.3589

■ 38.4362, 0.3967,
0.3485

■ 18.3185, 0.5875,
0.3547

■ 45.1277, 0.3683,
0.3431

■ 16.5922, 0.6145,
0.3475

■ 52.8117, 0.3446,
0.3377

■ 16.2438, 0.6203,
0.3457

■ 61.5265, 0.3250,
0.3326

■ 71.3085, 0.3088,
0.3278

■ 82.1923, 0.2955,
0.3234

■ 93.3404, 0.2894,
0.3289

Harmonies

Analogous

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



27.8624, 0.4291, 0.3009



27.8624, 0.4683, 0.3575



27.8624, 0.4577, 0.4151

Triad

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



27.8624, 0.4683, 0.3575



27.8624, 0.2609, 0.4284



27.8624, 0.2144, 0.2095

Complementary

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



27.8624, 0.4683, 0.3575



44.9310, 0.2340, 0.2949

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.



27.8624, 0.1823, 0.2242



27.8624, 0.4683, 0.3575



27.8624, 0.2050, 0.3447

Square

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



27.8624, 0.4683, 0.3575



27.8624, 0.3350, 0.4740



27.8624, 0.1786, 0.2692



27.8624, 0.2742, 0.2203

Rectangle

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



27.8624, 0.4683, 0.3575



27.8624, 0.4273, 0.4489



27.8624, 0.1786, 0.2692



27.8624, 0.2006, 0.2113

Sweetspot

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



27.8639, 0.4683, 0.3575



77.2049, 0.3440, 0.3376



26.1151, 0.3444, 0.2152



16.0121, 0.3485, 0.3387



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.



27.8639, 0.4683, 0.3575



33.6616, 0.5191, 0.3597



46.7130, 0.4199, 0.4272



12.8061, 0.3286, 0.3336



9.7332, 0.6180, 0.3475



0.7034, 0.5852, 0.3735

Inverse Universe

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



44.9310, 0.2340, 0.2949



60.5620, 0.2228, 0.2864



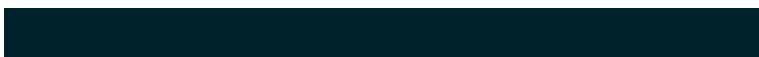
23.5360, 0.2139, 0.2017



13.6802, 0.2983, 0.3244



21.0457, 0.2073, 0.2661



1.3765, 0.2106, 0.2781

Previews

White Background



This preview shows how the Yxy color 27.8624, 0.4683, 0.3575 looks on a white background.

Color Contrast Check

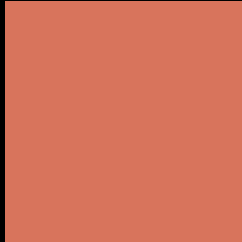
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8624, 0.4683, 0.3575 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 27.8624, 0.4683, 0.3575

Background



This preview shows how black text looks on a background with the Yxy color 27.8624, 0.4683, 0.3575.



This preview shows how white text looks on a background with the Yxy color 27.8624, 0.4683, 0.3575.

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

27.8624, 0.4683, 0.3575

Protanopia

27.9937, 0.3681, 0.3944

Deuteranopia

27.9955, 0.4096, 0.4019



Tritanopia

27.8498, 0.4375, 0.3198

Trichromacy



Original Color

27.8624, 0.4683, 0.3575

Protanomaly

27.4160, 0.4040, 0.3802

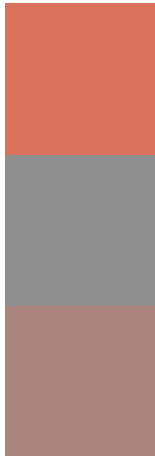
Deuteranomaly

27.6337, 0.4320, 0.3848

Tritanomaly

27.6878, 0.4490, 0.3330

Monochromacy



Original Color

27.8624, 0.4683, 0.3575

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

26.7763, 0.3662, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8624, 0.4683, 0.3575 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(216, 116, 92)` looks like.

```
.text, #text, p{  
    color:rgb(216, 116, 92)  
}
```

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(216, 116, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 116, 92) }
```

Border

The CSS property to change the border of an element to Yxy 27.8624, 0.4683, 0.3575 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(216, 116, 92) }
```

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

```
.border{ border-color:rgb(216, 116, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 116, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 116, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 116, 92);  
box-shadow:4px 4px 4px 4px rgb(216, 116,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8624, 0.4683, 0.3575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 116, 92) }
```

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

```
.background{ background-color: rgb(216,  
116, 92) }
```

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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