

Converting Colors

$Y_{xy}(27.6485, 0.5027, 0.4087)$

Have a look what the booklet for
Yxy(27.6485, 0.5027, 0.4087)
contains.

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Color

Yxy(27.5658, 0.5023, 0.4085)

Conversions

Conversions Part 1

Format	Color
Hex	D2792D
RGB	210, 121, 45
RGB Percent	82%, 47%, 18%
CMY	0.1764, 0.5255, 0.8234
CMYK	0.00, 0.42, 0.79, 0.18
HSL	28°, 65%, 50%
HSV	28°, 79%, 82%
XYZ	33.8955, 27.5658, 6.0193
YIQ	138.9470, 77.4400, -4.7680

Conversions

Conversions Part 2

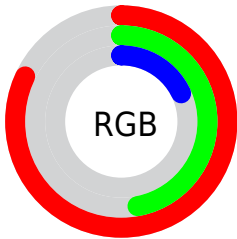
Format	Color
R _Y B	210, 186, 45
Decimal	13793581
CIE Lab	59.49, 29.17, 53.97
CIE LCh	59, 61.350, 61.615
Yxy	27.5658, 0.5023, 0.4085
Android (android.graphics.Color)	4291983661 (0xFFD2792D)
YUV	138.9470, -46.3159, 62.3135
Hunter-Lab	52.5031, 23.3572, 29.9549

Details

The Yxy color **27.5658, 0.5023, 0.4085** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **22.2808, 0.1973, 0.2069**, and the grayscale version is **25.9579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.3766, 0.4535, 0.4062**, and **10.9905, 0.5460, 0.4046** is the 20% darker color. If you saturate the color by 10%, you get **24.8492, 0.5285, 0.4067**, and if you desaturate by 10%, it is **30.6893, 0.4735, 0.4052**.

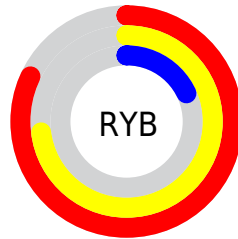
Distribution



Red (82%)

Green (47%)

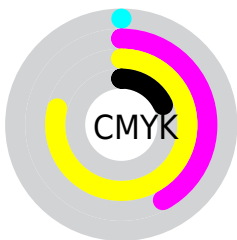
Blue (18%)



Red (82%)

Yellow (73%)

Blue (18%)

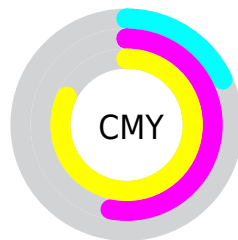


Cyan (0%)

Magenta (42%)

Yellow (79%)

Black (18%)



Cyan (18%)


Magenta (53%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5658, 0.5023, 0.4085 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 27.5658, 0.5023, 0.4085 by changing the saturation by 10% instead.


 27.5658, 0.5023,
0.4085


 27.5658, 0.5023,
0.4085


290.3863, 0.4041,
0.3770


 17.9986, 0.5250,
0.4113


 55.7905, 0.4673,
0.4003


 10.9490, 0.5518,
0.4111


 75.2167, 0.4538,
0.3962


 6.0325, 0.5903,
0.4097

 98.6982, 0.4423,
0.3923

 2.8649, 0.6160,
0.3840

 126.6191, 0.4324,
0.3887

 1.0616, 0.6582,
0.3418

 159.3640, 0.4239,
0.3853

 0.0000, 1.0000,
0.0000

 197.3172, 0.4165,

 0.0000, 0.0000,

0.3823

0.0000

240.8632, 0.4099,
0.3795

■ 27.5658, 0.5023,
0.4085

■ 27.5658, 0.5023,
0.4085

■ 24.8492, 0.5285,
0.4067

■ 30.6893, 0.4735,
0.4052

■ 22.5079, 0.5506,
0.3997

■ 34.2366, 0.4441,
0.3977

■ 22.1981, 0.5536,
0.3986

■ 38.2281, 0.4157,
0.3875

■ 42.6815, 0.3894,
0.3757

■ 47.6130, 0.3657,
0.3632

■ 53.0382, 0.3448,
0.3508

■ 58.9717, 0.3265,
0.3387

■ 65.4276, 0.3106,
0.3274

■ 72.4190, 0.2968,
0.3169

Harmonies

Analogous

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



27.5658, 0.5036, 0.3389



27.5658, 0.5023, 0.4085



27.5658, 0.4462, 0.4770

Triad

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



27.5658, 0.5023, 0.4085



27.5658, 0.1924, 0.3787



27.5658, 0.2399, 0.1902

Complementary

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



27.5658, 0.5023, 0.4085



22.2808, 0.1973, 0.2069

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.



27.5658, 0.1778, 0.1841



27.5658, 0.5023, 0.4085



27.5658, 0.1530, 0.2722

Square

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



27.5658, 0.5023, 0.4085



27.5658, 0.2677, 0.4854



27.5658, 0.1494, 0.2083



27.5658, 0.3345, 0.2221

Rectangle

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



27.5658, 0.5023, 0.4085



27.5658, 0.3910, 0.5105



27.5658, 0.1494, 0.2083



27.5658, 0.2152, 0.1851

Sweetspot

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



27.5673, 0.5023, 0.4085



77.3754, 0.3564, 0.3578



17.3555, 0.4307, 0.2340



15.9276, 0.3642, 0.3623



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.



27.5673, 0.5023, 0.4085



36.1284, 0.5432, 0.4026



56.0315, 0.4188, 0.4876



12.6922, 0.3279, 0.3397



13.7332, 0.5512, 0.4005



0.9258, 0.5209, 0.4246

Inverse Universe

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



22.2808, 0.1973, 0.2069



27.4672, 0.1837, 0.1781



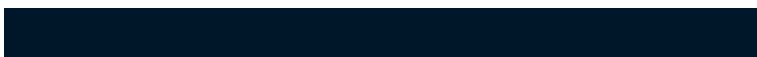
7.7844, 0.1676, 0.0932



12.4593, 0.2983, 0.3180



10.2895, 0.1812, 0.1723



0.7332, 0.1899, 0.2035

Previews

White Background



This preview shows how the Yxy color 27.5658, 0.5023, 0.4085 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 27.5658, 0.5023, 0.4085 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 27.5658, 0.5023, 0.4085

Background



This preview shows how black text looks on a background with the Yxy color 27.5658, 0.5023, 0.4085.



This preview shows how white text looks on a background with the Yxy color 27.5658, 0.5023, 0.4085.

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

27.5658, 0.5023, 0.4085

Protanopia

27.7626, 0.4198, 0.4612

Deuteranopia

27.5786, 0.4585, 0.4480



Tritanopia

27.5115, 0.4298, 0.3183

Trichromacy



Original Color

27.5658, 0.5023, 0.4085

Protanomaly

27.4138, 0.4502, 0.4415

Deuteranomaly

27.5992, 0.4751, 0.4334

Tritanomaly

27.4451, 0.4628, 0.3557

Monochromacy



Original Color

27.5658, 0.5023, 0.4085

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.5218, 0.3828, 0.3713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5658, 0.5023, 0.4085 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(210, 121, 45)` looks like.

```
.text, #text, p{  
    color:rgb(210, 121, 45)  
}
```

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(210, 121, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 121, 45) }
```

Border

The CSS property to change the border of an element to Yxy 27.5658, 0.5023, 0.4085 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(210, 121, 45) }
```

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

```
.border{ border-color:rgb(210, 121, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 121, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 121, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 121, 45);  
box-shadow:4px 4px 4px 4px rgb(210, 121,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5658, 0.5023, 0.4085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 121, 45) }
```

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

```
.background{ background-color: rgb(210,  
121, 45) }
```

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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