

Converting Colors

$Y_{xy}(27.0314, 0.5078, 0.3855)$

Have a look what the booklet for
Yxy(27.0314, 0.5078, 0.3855)
contains.

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Color

Yxy(27.0314, 0.5078, 0.3855)

Conversions

Conversions Part 1

Format	Color
Hex	DA713B
RGB	218, 113, 59
RGB Percent	85%, 44%, 23%
CMY	0.1451, 0.5568, 0.7685
CMYK	0.00, 0.48, 0.73, 0.15
HSL	20°, 68%, 54%
HSV	20°, 73%, 85%
XYZ	35.6071, 27.0314, 7.4818
YIQ	138.2390, 79.9140, 5.4660

Conversions

Conversions Part 2

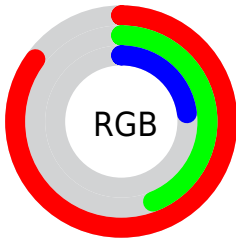
Format	Color
R _Y B	218, 141, 59
Decimal	14315835
CIE Lab	59.00, 37.15, 47.40
CIE LCh	59, 60.223, 51.910
Yxy	27.0314, 0.5078, 0.3855
Android (android.graphics.Color)	4292505915 (0xFFDA713B)
YUV	138.2390, -39.0648, 69.9504
Hunter-Lab	51.9917, 31.2622, 27.8621

Details

The Yxy color **27.0314, 0.5078, 0.3855** 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 **32.5465, 0.2110, 0.2476**, and the grayscale version is **25.6431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6366, 0.4493, 0.3869**, and **10.6309, 0.5646, 0.3830** is the 20% darker color. If you saturate the color by 10%, you get **23.8900, 0.5417, 0.3843**, and if you desaturate by 10%, it is **30.7797, 0.4725, 0.3824**.

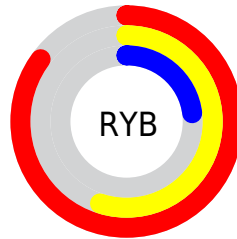
Distribution



Red (85%)

Green (44%)

Blue (23%)



Red (85%)

Yellow (55%)

Blue (23%)

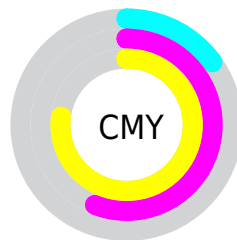


Cyan (0%)

Magenta (48%)

Yellow (73%)

Black (15%)



Cyan (15%)

Magenta (56%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0314, 0.5078, 0.3855 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 27.0314, 0.5078, 0.3855 by changing the saturation by 10% instead.


 27.0314, 0.5078,
0.3855


 27.0314, 0.5078,
0.3855


287.8091, 0.4045,
0.3653


 17.5968, 0.5331,
0.3861


 54.9343, 0.4700,
0.3811


 10.6609, 0.5642,
0.3835


 74.1713, 0.4558,
0.3785

 5.8393, 0.6093,
0.3789


 97.4446, 0.4438,
0.3759

 2.7476, 0.6478,
0.3522

 125.1386, 0.4335,
0.3734

 1.0014, 0.6980,
0.3020

 157.6377, 0.4247,
0.3712

 0.0000, 1.0000,
0.0000

 195.3262, 0.4171,

 0.0000, 0.0000,

0.3690

0.0000

238.5885, 0.4104,
0.3671

■ 27.0314, 0.5078,
0.3855

■ 27.0314, 0.5078,
0.3855

■ 23.8900, 0.5417,
0.3843

■ 30.7797, 0.4725,
0.3824

■ 21.3145, 0.5708,
0.3780

■ 35.1635, 0.4383,
0.3760

■ 19.8058, 0.5880,
0.3713

■ 40.2142, 0.4070,
0.3678

■ 45.9600, 0.3792,
0.3586

■ 52.4270, 0.3552,
0.3492

 59.6402, 0.3347,
0.3401

 67.6232, 0.3173,
0.3314

 76.3984, 0.3025,
0.3234

 85.9733, 0.2901,
0.3162

Harmonies

Analogous

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



27.0314, 0.4872, 0.3177



27.0314, 0.5078, 0.3855



27.0314, 0.4674, 0.4550

Triad

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



27.0314, 0.5078, 0.3855



27.0314, 0.2145, 0.4160



27.0314, 0.2169, 0.1865

Complementary

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



27.0314, 0.5078, 0.3855



32.5465, 0.2110, 0.2476

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.



27.0314, 0.1664, 0.1896



27.0314, 0.5078, 0.3855



27.0314, 0.1631, 0.3031

Square

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



27.0314, 0.5078, 0.3855



27.0314, 0.2976, 0.5038



27.0314, 0.1485, 0.2253



27.0314, 0.3013, 0.2103

Rectangle

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



27.0314, 0.5078, 0.3855



27.0314, 0.4182, 0.4949



27.0314, 0.1485, 0.2253



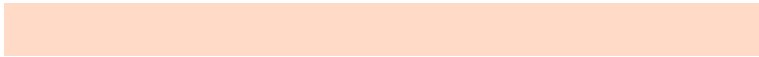
27.0314, 0.1963, 0.1844

Sweetspot

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



27.0329, 0.5078, 0.3855



75.4963, 0.3536, 0.3486



20.7517, 0.3896, 0.2169



15.5923, 0.3598, 0.3511



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.



27.0329, 0.5078, 0.3855



31.8314, 0.5595, 0.3812



52.6999, 0.4291, 0.4668



13.7707, 0.3283, 0.3370



12.0460, 0.5853, 0.3734



0.9370, 0.5536, 0.3986

Inverse Universe

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



32.5465, 0.2110, 0.2476



39.6635, 0.1984, 0.2269



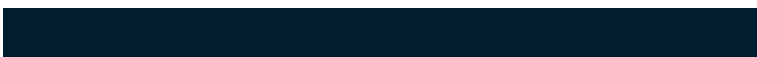
12.5714, 0.1809, 0.1281



14.0460, 0.2982, 0.3209



15.1838, 0.1929, 0.2145



1.1409, 0.1987, 0.2353

Previews

White Background



This preview shows how the Yxy color 27.0314, 0.5078, 0.3855 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 27.0314, 0.5078, 0.3855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

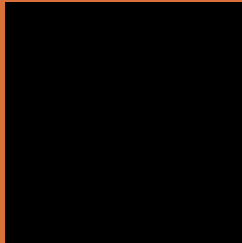
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.0314, 0.5078, 0.3855

Background



This preview shows how black text looks on a background with the Yxy color 27.0314, 0.5078, 0.3855.



This preview shows how white text looks on a background with the Yxy color 27.0314, 0.5078, 0.3855.

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

27.0314, 0.5078, 0.3855

Protanopia

27.3314, 0.4045, 0.4428

Deuteranopia

27.0500, 0.4473, 0.4374



Tritanopia

27.1024, 0.4518, 0.3213

Trichromacy



Original Color

27.0314, 0.5078, 0.3855

Protanomaly

26.5875, 0.4430, 0.4202

Deuteranomaly

26.7920, 0.4711, 0.4170

Tritanomaly

26.9611, 0.4756, 0.3465

Monochromacy



Original Color

27.0314, 0.5078, 0.3855

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

25.0201, 0.3822, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0314, 0.5078, 0.3855 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(218, 113, 59)` looks like.

```
.text, #text, p{  
    color:rgb(218, 113, 59)  
}
```

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(218, 113, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 113, 59) }
```

Border

The CSS property to change the border of an element to Yxy 27.0314, 0.5078, 0.3855 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(218, 113, 59) }
```

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

```
.border{ border-color:rgb(218, 113, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 113, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 113, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 113, 59);  
box-shadow:4px 4px 4px 4px rgb(218, 113,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0314, 0.5078, 0.3855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 113, 59) }
```

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

```
.background{ background-color: rgb(218,  
113, 59) }
```

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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