

Converting Colors

$Y_{xy}(29.0555, 0.5015, 0.3931)$

Have a look what the booklet for
Yxy(29.0555, 0.5015, 0.3931)
contains.

Yxy(28.9644, 0.5019, 0.3927)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.9644, 0.5019, 0.3927)

Conversions

Conversions Part 1

Format	Color
Hex	DC783B
RGB	220, 120, 59
RGB Percent	86%, 47%, 23%
CMY	0.1373, 0.5294, 0.7687
CMYK	0.00, 0.45, 0.73, 0.14
HSL	23°, 70%, 55%
HSV	23°, 73%, 86%
XYZ	37.0187, 28.9644, 7.7740
YIQ	142.9460, 79.1810, 2.2290

Conversions

Conversions Part 2

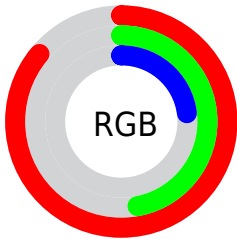
Format	Color
R_{YB}	220, 157, 59
Decimal	14448699
CIE _{Lab}	60.75, 34.32, 49.36
CIE _{LCh}	61, 60.119, 55.184
Yxy	28.9644, 0.5019, 0.3927
Android (android.graphics.Color)	4292638779 (0xFFDC783B)
YUV	142.9460, -41.3854, 67.5764
Hunter-Lab	53.8186, 28.5972, 29.1087

Details

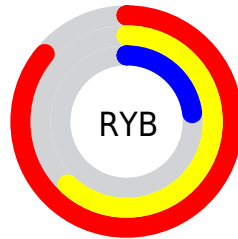
The Yxy color **28.9644, 0.5019, 0.3927** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **30.8767, 0.2082, 0.2371**, and the grayscale version is **27.5908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2513, 0.4444, 0.3939**, and **11.7644, 0.5533, 0.3940** is the 20% darker color. If you saturate the color by 10%, you get **25.7288, 0.5338, 0.3920**, and if you desaturate by 10%, it is **32.7680, 0.4685, 0.3888**.

Distribution



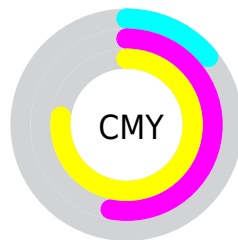
- Red (86%)
- Green (47%)
- Blue (23%)



- Red (86%)
- Yellow (62%)
- Blue (23%)



- Cyan (0%)
- Magenta (45%)
- Yellow (73%)
- Black (14%)




- Cyan (14%)
- Magenta (53%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9644, 0.5019, 0.3927 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 28.9644, 0.5019, 0.3927 by changing the saturation by 10% instead.


 28.9644, 0.5019,
0.3927


 28.9644, 0.5019,
0.3927


297.0470, 0.4031,
0.3687

 19.0539, 0.5256,
0.3944


 58.0205, 0.4661,
0.3868

 11.7092, 0.5545,
0.3934


 77.9349, 0.4525,
0.3837


 6.5460, 0.5945,
0.3902


 101.9527, 0.4410,
0.3807

 3.1798, 0.6313,
0.3687

 130.4584, 0.4312,
0.3779

 1.2263, 0.6750,
0.3250

 163.8362, 0.4227,
0.3753

 0.0831, 0.9171,
0.0829

 202.4707, 0.4153,

 0.0000, 0.0000,

0.3729

0.0000

246.7461, 0.4088,
0.3707

■ 28.9644, 0.5019,
0.3927

■ 28.9644, 0.5019,
0.3927

■ 25.7288, 0.5338,
0.3920

■ 32.7680, 0.4685,
0.3888

■ 23.0237, 0.5615,
0.3860

■ 37.1642, 0.4359,
0.3817

■ 21.4610, 0.5774,
0.3797

■ 42.1815, 0.4058,
0.3725

■ 47.8449, 0.3789,
0.3623

■ 54.1779, 0.3553,
0.3518

■ 61.2027, 0.3351,
0.3416

■ 68.9403, 0.3177,
0.3320

■ 77.4110, 0.3029,
0.3229

■ 86.5065, 0.2913,
0.3166

Harmonies

Analogous

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



28.9644, 0.4885, 0.3255



28.9644, 0.5019, 0.3927



28.9644, 0.4577, 0.4602

Triad

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



28.9644, 0.5019, 0.3927



28.9644, 0.2096, 0.4015



28.9644, 0.2265, 0.1905

Complementary

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



28.9644, 0.5019, 0.3927



30.8767, 0.2082, 0.2371

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.



28.9644, 0.1730, 0.1906



28.9644, 0.5019, 0.3927



28.9644, 0.1628, 0.2937

Square

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



28.9644, 0.5019, 0.3927



28.9644, 0.2887, 0.4932



28.9644, 0.1520, 0.2221



28.9644, 0.3124, 0.2166

Rectangle

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



28.9644, 0.5019, 0.3927



28.9644, 0.4077, 0.4965



28.9644, 0.1520, 0.2221



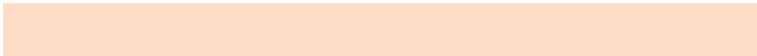
28.9644, 0.2049, 0.1875

Sweetspot

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



28.9659, 0.5019, 0.3927



76.6525, 0.3532, 0.3508



20.9114, 0.3983, 0.2221



15.8629, 0.3592, 0.3536



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.



28.9659, 0.5019, 0.3927



33.7703, 0.5498, 0.3894



56.1571, 0.4251, 0.4716



13.8564, 0.3282, 0.3379



12.7950, 0.5747, 0.3819



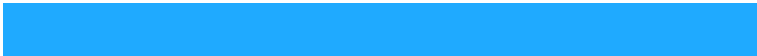
0.9919, 0.5441, 0.4062

Inverse Universe

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



30.8767, 0.2082, 0.2371



36.2305, 0.1950, 0.2143



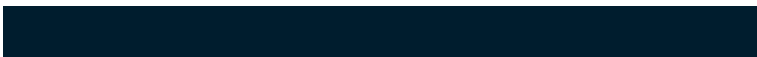
11.8988, 0.1787, 0.1207



13.9571, 0.2982, 0.3199



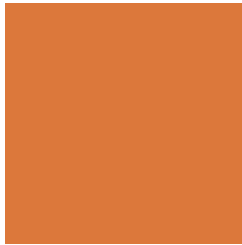
13.6880, 0.1890, 0.2004



1.0509, 0.1955, 0.2237

Previews

White Background



This preview shows how the Yxy color 28.9644, 0.5019, 0.3927 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 28.9644, 0.5019, 0.3927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

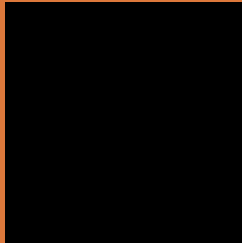
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9644, 0.5019, 0.3927

Background



This preview shows how black text looks on a background with the Yxy color 28.9644, 0.5019, 0.3927.



This preview shows how white text looks on a background with the Yxy color 28.9644, 0.5019, 0.3927.

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

28.9644, 0.5019, 0.3927

Protanopia

29.0592, 0.4077, 0.4462

Deuteranopia

29.0898, 0.4467, 0.4394



Tritanopia

28.8787, 0.4409, 0.3200

Trichromacy



Original Color

28.9644, 0.5019, 0.3927

Protanomaly

28.4518, 0.4432, 0.4255

Deuteranomaly

28.7963, 0.4667, 0.4217

Tritanomaly

28.9022, 0.4671, 0.3500

Monochromacy



Original Color

28.9644, 0.5019, 0.3927

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.1557, 0.3804, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9644, 0.5019, 0.3927 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(220, 120, 59)` looks like.

```
.text, #text, p{  
    color:rgb(220, 120, 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(220, 120, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 120, 59) }
```

Border

The CSS property to change the border of an element to Yxy 28.9644, 0.5019, 0.3927 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(220, 120, 59) }
```

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

```
.border{ border-color:rgb(220, 120, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 120, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 120, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 120, 59);  
box-shadow:4px 4px 4px 4px rgb(220, 120,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9644, 0.5019, 0.3927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 120, 59) }
```

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

```
.background{ background-color: rgb(220,  
120, 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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