

Converting Colors

$Y_{xy}(27.6160, 0.5015, 0.4366)$

Have a look what the booklet for
Yxy(27.6160, 0.5015, 0.4366)
contains.

Yxy(27.6160, 0.5015, 0.4366)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.6160, 0.5015, 0.4366)

Conversions

Conversions Part 1

Format	Color
Hex	C97F09
RGB	201, 127, 9
RGB Percent	79%, 50%, 4%
CMY	0.2119, 0.5019, 0.9649
CMYK	0.00, 0.37, 0.96, 0.21
HSL	37°, 91%, 41%
HSV	37°, 96%, 79%
XYZ	31.7211, 27.6160, 3.9153
YIQ	135.6740, 81.9820, -21.0100

Conversions

Conversions Part 2

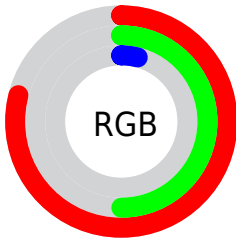
Format	Color
R_{YB}	129, 201, 9
Decimal	13205257
CIE Lab	59.54, 21.22, 64.23
CIE LCh	60, 67.642, 71.719
Yxy	27.6160, 0.5015, 0.4366
Android (android.graphics.Color)	4291395337 (0xFFC97F09)
YUV	135.6740, -62.4503, 57.2909
Hunter-Lab	52.5509, 15.7830, 32.3682

Details

The Yxy color **27.6160, 0.5015, 0.4366** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark washed orange. A complement of this color would be **10.4460, 0.1702, 0.1294**, and the grayscale version is **24.7063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3836, 0.4633, 0.4287**, and **11.1115, 0.5224, 0.4234** is the 20% darker color. If you saturate the color by 10%, you get **26.7223, 0.5081, 0.4347**, and if you desaturate by 10%, it is **29.7640, 0.4852, 0.4385**.

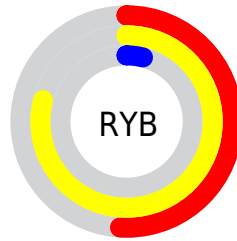
Distribution



Red (79%)

Green (50%)

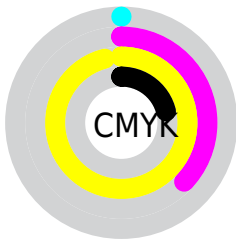
Blue (4%)



Red (51%)

Yellow (79%)

Blue (4%)

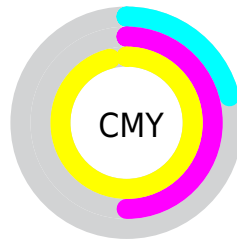


Cyan (0%)

Magenta (37%)

Yellow (96%)

Black (21%)



Cyan (21%)


Magenta (50%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6160, 0.5015, 0.4366 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 27.6160, 0.5015, 0.4366 by changing the saturation by 10% instead.


 27.6160, 0.5015,
0.4366


 27.6160, 0.5015,
0.4366


290.6274, 0.4079,
0.3930


 18.0364, 0.5206,
0.4408


 55.8708, 0.4698,
0.4251

 10.9761, 0.5447,
0.4442


 75.3147, 0.4570,
0.4193

 6.0508, 0.5639,
0.4361


 98.8156, 0.4459,
0.4139

 2.8760, 0.5838,
0.4162

 126.7578, 0.4362,
0.4089

 1.0673, 0.6173,
0.3827

 159.5257, 0.4277,
0.4044


 0.0000, 1.0000,
0.0000


 197.5036, 0.4203,


 0.0000, 0.0000,


0.4002


0.0000


 241.0761, 0.4137,
0.3964

 27.6160, 0.5015,
0.4366


 27.6160, 0.5015,
0.4366


 26.7223, 0.5081,
0.4347

 29.7640, 0.4852,
0.4385

 32.1322, 0.4657,
0.4352

 34.7363, 0.4440,
0.4272

 37.5883, 0.4213,
0.4154

 40.6989, 0.3987,
0.4011

■ 44.0778, 0.3769,
0.3854

■ 47.7342, 0.3566,
0.3691

■ 51.6766, 0.3380,
0.3529

■ 55.9129, 0.3212,
0.3373

Harmonies

Analogous

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



27.6160, 0.5288, 0.3610



27.6160, 0.5015, 0.4366



27.6160, 0.4251, 0.5091

Triad

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



27.6160, 0.5015, 0.4366



27.6160, 0.1628, 0.3388



27.6160, 0.2639, 0.1883

Complementary

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



27.6160, 0.5015, 0.4366



10.4460, 0.1702, 0.1294

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.



27.6160, 0.1851, 0.1720



27.6160, 0.5015, 0.4366



27.6160, 0.1357, 0.2366

Square

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



27.6160, 0.5015, 0.4366



27.6160, 0.2308, 0.4694



27.6160, 0.1438, 0.1851



27.6160, 0.3755, 0.2302

Rectangle

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



27.6160, 0.5015, 0.4366



27.6160, 0.3610, 0.5373



27.6160, 0.1438, 0.1851



27.6160, 0.2333, 0.1798

Sweetspot

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



27.6174, 0.5015, 0.4366



79.2736, 0.3642, 0.3754



13.2765, 0.5267, 0.2705



16.3927, 0.3731, 0.3824



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.



27.6174, 0.5015, 0.4366



45.3027, 0.5097, 0.4335



51.6989, 0.4017, 0.5171



11.7044, 0.3274, 0.3432



16.9883, 0.5065, 0.4360



0.9416, 0.4837, 0.4541

Inverse Universe

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



10.4460, 0.1702, 0.1294



15.9949, 0.1663, 0.1185



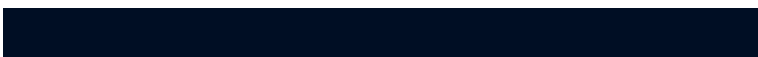
4.6593, 0.1559, 0.0653



10.9461, 0.2983, 0.3144



6.1905, 0.1677, 0.1236



0.4329, 0.1795, 0.1662

Previews

White Background



This preview shows how the Yxy color 27.6160, 0.5015, 0.4366 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 27.6160, 0.5015, 0.4366 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 27.6160, 0.5015, 0.4366

Background



This preview shows how black text looks on a background with the Yxy color 27.6160, 0.5015, 0.4366.



This preview shows how white text looks on a background with the Yxy color 27.6160, 0.5015, 0.4366.

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

27.6160, 0.5015, 0.4366

Protanopia

27.6684, 0.4366, 0.4837

Deuteranopia

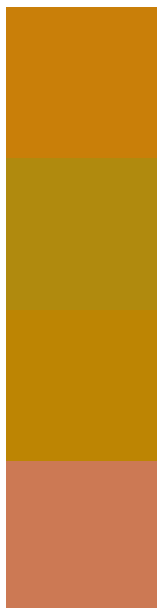
27.5534, 0.4723, 0.4632



Tritanopia

27.6110, 0.4116, 0.3177

Trichromacy



Original Color

27.6160, 0.5015, 0.4366

Protanomaly

27.4388, 0.4604, 0.4667

Deuteranomaly

27.6004, 0.4830, 0.4535

Tritanomaly

27.1522, 0.4607, 0.3752

Monochromacy



Original Color

27.6160, 0.5015, 0.4366

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.9868, 0.3931, 0.3972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6160, 0.5015, 0.4366 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(201, 127, 9)` looks like.

```
.text, #text, p{  
    color:rgb(201, 127, 9)  
}
```

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(201, 127, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 127, 9) }
```

Border

The CSS property to change the border of an element to Yxy 27.6160, 0.5015, 0.4366 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(201, 127, 9) }
```

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

```
.border{ border-color:rgb(201, 127, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 127, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 127, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 127, 9);  
box-shadow:4px 4px 4px 4px rgb(201, 127,  
9) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6160, 0.5015, 0.4366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 127, 9) }
```

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

```
.background{ background-color: rgb(201,  
127, 9) }
```

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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