

Converting Colors

$Y_{xy}(27.6048, 0.4632, 0.3994)$

Have a look what the booklet for
Yxy(27.6048, 0.4632, 0.3994)
contains.

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Color

Yxy(27.6267, 0.4632, 0.4001)

Conversions

Conversions Part 1

Format	Color
Hex	C67F46
RGB	198, 127, 70
RGB Percent	78%, 50%, 27%
CMY	0.2235, 0.5019, 0.7255
CMYK	0.00, 0.36, 0.65, 0.22
HSL	27°, 53%, 53%
HSV	27°, 65%, 78%
XYZ	31.9837, 27.6267, 9.4391
YIQ	141.7310, 60.6130, -2.6750

Conversions

Conversions Part 2

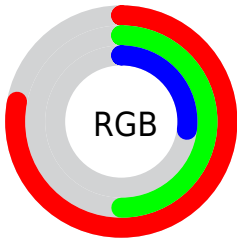
Format	Color
R_{YB}	198, 173, 70
Decimal	13008710
CIE Lab	59.55, 22.13, 41.74
CIE LCh	60, 47.246, 62.070
Yxy	27.6267, 0.4632, 0.4001
Android (android.graphics.Color)	4291198790 (0xFFC67F46)
YUV	141.7310, -35.3634, 49.3479
Hunter-Lab	52.5611, 16.6363, 26.1453

Details

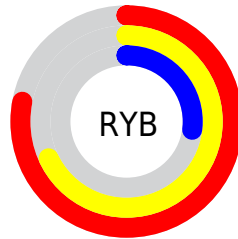
The Yxy color **27.6267, 0.4632, 0.4001** is a dark color, and the websafe version is hex **CC9966**. The color can be described as dark muted orange. A complement of this color would be **24.4247, 0.2146, 0.2357**, and the grayscale version is **27.0632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2586, 0.4310, 0.3907**, and **10.9411, 0.5097, 0.4097** is the 20% darker color. If you saturate the color by 10%, you get **24.7342, 0.4931, 0.4050**, and if you desaturate by 10%, it is **30.9137, 0.4335, 0.3917**.

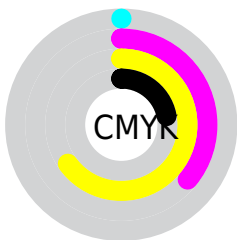
Distribution



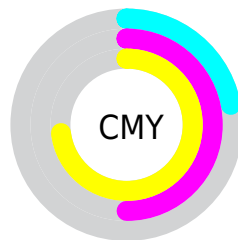
- Red (78%)
- Green (50%)
- Blue (27%)



- Red (78%)
- Yellow (68%)
- Blue (27%)



- Cyan (0%)
- Magenta (36%)
- Yellow (65%)
- Black (22%)




- Cyan (22%)
- Magenta (50%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6267, 0.4632, 0.4001 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 27.6267, 0.4632, 0.4001 by changing the saturation by 10% instead.


 27.6267, 0.4632,
0.4001


 27.6267, 0.4632,
0.4001


290.6788, 0.3831,
0.3677


 18.0444, 0.4835,
0.4057


 55.8879, 0.4335,
0.3898

 10.9819, 0.5090,
0.4107


 75.3356, 0.4225,
0.3855


 6.0547, 0.5420,
0.4140

 98.8407, 0.4132,
0.3816

 2.8784, 0.5876,
0.4124

 126.7874, 0.4053,
0.3781

 1.0686, 0.6221,
0.3779

 159.5601, 0.3986,
0.3751

 0.0000, 1.0000,
0.0000

197.5434, 0.3927,

 0.0000, 0.0000,

0.3724

0.0000

241.1215, 0.3876,
0.3699

■ 27.6267, 0.4632,
0.4001

■ 27.6267, 0.4632,
0.4001

■ 24.7342, 0.4931,
0.4050

■ 30.9137, 0.4335,
0.3917

■ 22.2135, 0.5213,
0.4051

■ 34.6076, 0.4055,
0.3811

■ 20.0455, 0.5457,
0.3998

■ 38.7253, 0.3800,
0.3694

■ 19.0164, 0.5574,
0.3956

■ 43.2816, 0.3572,
0.3573

■ 48.2900, 0.3373,
0.3454

■ 53.7638, 0.3200,
0.3340

■ 59.7153, 0.3050,
0.3234

■ 66.1567, 0.2920,
0.3136

■ 73.0995, 0.2809,
0.3045

Harmonies

Analogous

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



27.6267, 0.4611, 0.3426



27.6267, 0.4632, 0.4001



27.6267, 0.4219, 0.4509

Triad

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



27.6267, 0.4632, 0.4001



27.6267, 0.2179, 0.3668



27.6267, 0.2570, 0.2164

Complementary

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



27.6267, 0.4632, 0.4001



24.4247, 0.2146, 0.2357

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.



27.6267, 0.2046, 0.2119



27.6267, 0.4632, 0.4001



27.6267, 0.1838, 0.2867

Square

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



27.6267, 0.4632, 0.4001



27.6267, 0.2796, 0.4439



27.6267, 0.1800, 0.2338



27.6267, 0.3322, 0.2434

Rectangle

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



27.6267, 0.4632, 0.4001



27.6267, 0.3786, 0.4713



27.6267, 0.1800, 0.2338



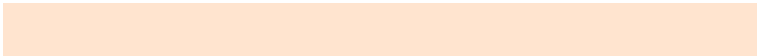
27.6267, 0.2365, 0.2122

Sweetspot

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



27.6281, 0.4632, 0.4001



81.3009, 0.3462, 0.3508



18.3540, 0.3974, 0.2399



16.8561, 0.3521, 0.3543



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.



27.6281, 0.4632, 0.4001



41.7021, 0.5062, 0.4057



49.0448, 0.4076, 0.4682



11.4016, 0.3279, 0.3393



12.5318, 0.5552, 0.3974



0.7373, 0.5198, 0.4254

Inverse Universe

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



24.4247, 0.2146, 0.2357



35.4860, 0.1981, 0.2105



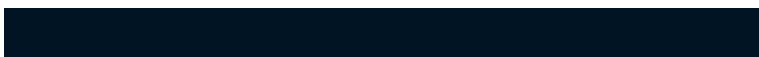
10.9025, 0.1909, 0.1344



11.2465, 0.2983, 0.3185



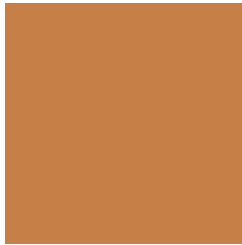
10.0506, 0.1827, 0.1778



0.6188, 0.1923, 0.2123

Previews

White Background



This preview shows how the Yxy color 27.6267, 0.4632, 0.4001 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 27.6267, 0.4632, 0.4001 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 27.6267, 0.4632, 0.4001

Background



This preview shows how black text looks on a background with the Yxy color 27.6267, 0.4632, 0.4001.



This preview shows how white text looks on a background with the Yxy color 27.6267, 0.4632, 0.4001.

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

27.6267, 0.4632, 0.4001

Protanopia

27.8392, 0.3979, 0.4331

Deuteranopia

27.7737, 0.4331, 0.4243



Tritanopia

27.5745, 0.4034, 0.3175

Trichromacy



Original Color

27.6267, 0.4632, 0.4001

Protanomaly

27.5556, 0.4210, 0.4210

Deuteranomaly

27.5190, 0.4440, 0.4146

Tritanomaly

27.6661, 0.4273, 0.3489

Monochromacy



Original Color

27.6267, 0.4632, 0.4001

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.8337, 0.3643, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6267, 0.4632, 0.4001 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(198, 127, 70)` looks like.

```
.text, #text, p{  
    color:rgb(198, 127, 70)  
}
```

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(198, 127, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 127, 70) }
```

Border

The CSS property to change the border of an element to Yxy 27.6267, 0.4632, 0.4001 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(198, 127, 70) }
```

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

```
.border{ border-color:rgb(198, 127, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 127, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 127, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 127, 70);  
box-shadow:4px 4px 4px 4px rgb(198, 127,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6267, 0.4632, 0.4001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 127, 70) }
```

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

```
.background{ background-color: rgb(198,  
127, 70) }
```

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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