

Converting Colors

$Y_{xy}(27.1648, 0.4895, 0.4496)$

Have a look what the booklet for
Yxy(27.1648, 0.4895, 0.4496)
contains.

| | |
|---|----|
| Yxy(27.0416, 0.4897, 0.4494) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(27.0416, 0.4897, 0.4494)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BF8200 |
| RGB | 191, 130, 0 |
| RGB Percent | 75%, 51%, 0% |
| CMY | 0.2510, 0.4902, 1.0000 |
| CMYK | 0.00, 0.32, 1.00, 0.25 |
| HSL | 41°, 100%, 37% |
| HSV | 41°, 100%, 75% |
| XYZ | 29.4666, 27.0416, 3.6645 |
| YIQ | 133.4190, 78.0860, -27.4980 |

Conversions

Conversions Part 2

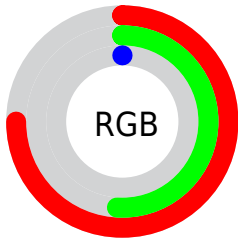
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 90, 191, 0 |
| Decimal | 12550656 |
| CIE Lab | 59.01, 15.07, 64.76 |
| CIE LCh | 59, 66.490, 76.899 |
| Yxy | 27.0416, 0.4897, 0.4494 |
| Android (android.graphics.Color) | 4290740736 (0xFFBF8200) |
| YUV | 133.4190, -65.7756, 50.4985 |
| Hunter-Lab | 52.0015, 10.1439, 32.2229 |

Details

The Yxy color **27.0416, 0.4897, 0.4494** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **7.0966, 0.1622, 0.1040**, and the grayscale version is **23.8410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.9921, 0.4603, 0.4353**, and **10.7904, 0.5049, 0.4373** is the 20% darker color. If you saturate the color by 10%, you get **27.0431, 0.4897, 0.4494**, and if you desaturate by 10%, it is **28.7613, 0.4772, 0.4511**.

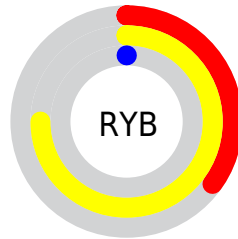
Distribution



Red (75%)

Green (51%)

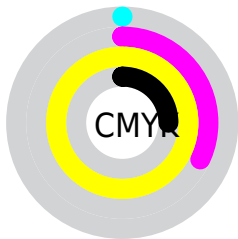
Blue (0%)



Red (35%)

Yellow (75%)

Blue (0%)

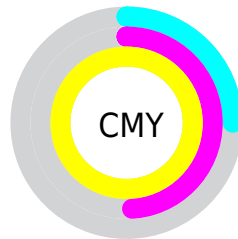


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.0416, 0.4897, 0.4494 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 27.0416, 0.4897, 0.4494 by changing the saturation by 10% instead.

 27.0416, 0.4897,
0.4494


 27.0416, 0.4897,
0.4494


287.8585, 0.4026,
0.3978


 17.6045, 0.5069,
0.4557


 54.9506, 0.4606,
0.4348


 10.6664, 0.5294,
0.4630


 74.1913, 0.4487,
0.4279

 5.8430, 0.5433,
0.4567

 97.4686, 0.4383,
0.4215

 2.7498, 0.5584,
0.4416

 125.1669, 0.4293,
0.4158

 1.0026, 0.5846,
0.4154

 157.6707, 0.4213,
0.4106

 0.0000, 1.0000,
0.0000


 195.3643, 0.4143,

 0.0000, 0.0000,


0.4059


0.0000


 238.6321, 0.4082,
0.4016


 27.0416, 0.4897,
0.4494

 27.0416, 0.4897,
0.4494


 27.0431, 0.4897,
0.4494

 28.7613, 0.4772,
0.4511

 30.6238, 0.4620,
0.4486

 32.6489, 0.4442,
0.4412

 34.8467, 0.4245,
0.4297

 37.2259, 0.4040,
0.4151

■ 39.7942, 0.3836,
0.3985

■ 42.5587, 0.3638,
0.3809

■ 45.5261, 0.3453,
0.3631

■ 48.7025, 0.3282,
0.3457

Harmonies

Analogous

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



27.0416, 0.5270, 0.3738



27.0416, 0.4897, 0.4494



27.0416, 0.4087, 0.5174

Triad

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



27.0416, 0.4897, 0.4494



27.0416, 0.1566, 0.3179



27.0416, 0.2817, 0.1948

Complementary

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



27.0416, 0.4897, 0.4494



7.0966, 0.1622, 0.1040

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.



27.0416, 0.1969, 0.1740



27.0416, 0.4897, 0.4494



27.0416, 0.1360, 0.2254

Square

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



27.0416, 0.4897, 0.4494



27.0416, 0.2173, 0.4470



27.0416, 0.1497, 0.1817



27.0416, 0.3952, 0.2404

Rectangle

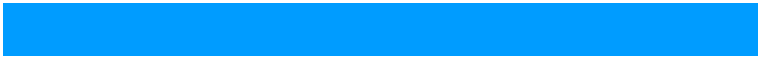
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



27.0416, 0.4897, 0.4494



27.0416, 0.3437, 0.5369



27.0416, 0.1497, 0.1817



27.0416, 0.2493, 0.1849

Sweetspot

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



27.0431, 0.4897, 0.4494



75.9879, 0.3648, 0.3818



11.4415, 0.5647, 0.2884



16.2141, 0.3731, 0.3893



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.0431, 0.4897, 0.4494



47.9817, 0.4910, 0.4483



44.6447, 0.3901, 0.5284



10.5928, 0.3272, 0.3446



17.9246, 0.4885, 0.4503



0.8152, 0.4682, 0.4665

Inverse Universe

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



7.0966, 0.1622, 0.1040



12.3254, 0.1615, 0.1014



4.0656, 0.1571, 0.0639



9.7093, 0.2984, 0.3129



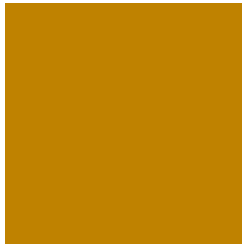
4.7944, 0.1629, 0.1064



0.3089, 0.1770, 0.1570

Previews

White Background



This preview shows how the Yxy color 27.0416, 0.4897, 0.4494 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 27.0416, 0.4897, 0.4494 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 27.0416, 0.4897, 0.4494

Background



This preview shows how black text looks on a background with the Yxy color 27.0416, 0.4897, 0.4494.



This preview shows how white text looks on a background with the Yxy color 27.0416, 0.4897, 0.4494.

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

27.0416, 0.4897, 0.4494

Protanopia

27.2485, 0.4379, 0.4853

Deuteranopia

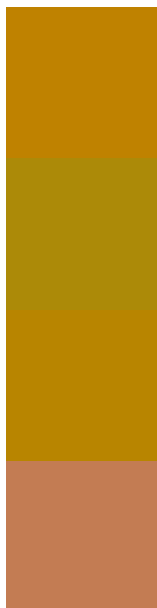
27.0312, 0.4716, 0.4638



Tritanopia

27.1568, 0.3958, 0.3172

Trichromacy



Original Color

27.0416, 0.4897, 0.4494

Protanomaly

26.9651, 0.4574, 0.4717

Deuteranomaly

26.9654, 0.4785, 0.4583

Tritanomaly

26.6419, 0.4494, 0.3828

Monochromacy



Original Color

27.0416, 0.4897, 0.4494

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.0284, 0.3918, 0.4055

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0416, 0.4897, 0.4494 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(191, 130, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 130, 0)  
}
```

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(191, 130, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 130, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.0416, 0.4897, 0.4494 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(191, 130, 0) }
```

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

```
.border{ border-color:rgb(191, 130, 0) }
```

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

Here you see how a box with a 4 pixel rgb(191, 130, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 130, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 130, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 130,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0416, 0.4897, 0.4494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 130, 0) }
```

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

```
.background{ background-color: rgb(191,  
130, 0) }
```

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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