

# Converting Colors

$Yxy(24.4777, 0.4718, 0.4027)$

Have a look what the booklet for  
Yxy(24.4777, 0.4718, 0.4027)  
contains.

<b>Yxy(24.4777, 0.4718, 0.4027)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(24.4777, 0.4718, 0.4027)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BE773D
RGB	190, 119, 61
RGB Percent	75%, 47%, 24%
CMY	0.2548, 0.5334, 0.7608
CMYK	0.00, 0.37, 0.68, 0.25
HSL	27°, 51%, 49%
HSV	27°, 68%, 75%
XYZ	28.6779, 24.4777, 7.6284
YIQ	133.6170, 60.9340, -2.9860

# Conversions

## Conversions Part 2

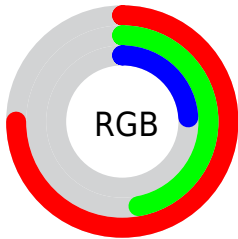
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	190, 166, 61
Decimal	12482365
CIE <sub>Lab</sub>	56.56, 22.58, 42.66
CIE <sub>LCh</sub>	57, 48.269, 62.102
Yxy	24.4777, 0.4718, 0.4027
Android (android.graphics.Color)	4290672445 (0xFFBE773D)
YUV	133.6170, -35.8002, 49.4479
Hunter-Lab	49.4749, 16.8854, 25.4907

# Details

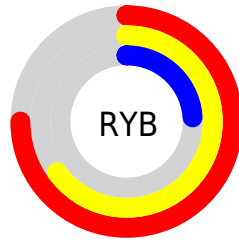
The Yxy color **24.4777, 0.4718, 0.4027** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.2207, 0.2106, 0.2294**, and the grayscale version is **23.8100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9767, 0.4392, 0.3924**, and **9.3100, 0.5213, 0.4125** is the 20% darker color. If you saturate the color by 10%, you get **21.9549, 0.5011, 0.4063**, and if you desaturate by 10%, it is **27.3496, 0.4421, 0.3952**.

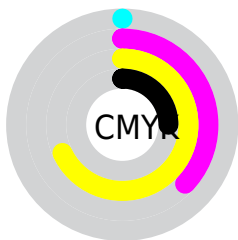
# Distribution



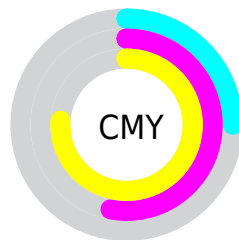
- Red (75%)
- Green (47%)
- Blue (24%)



- Red (75%)
- Yellow (65%)
- Blue (24%)



- Cyan (0%)
- Magenta (37%)
- Yellow (68%)
- Black (25%)



- Cyan (25%)
- Magenta (53%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.4777, 0.4718, 0.4027 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 24.4777, 0.4718, 0.4027 by changing the saturation by 10% instead.





 24.4777, 0.4718,  
0.4027


 24.4777, 0.4718,  
0.4027


275.2268, 0.3859,  
0.3692


 15.6884, 0.4937,  
0.4081


 50.8086, 0.4398,  
0.3922


 9.3039, 0.5211,  
0.4123


 69.1190, 0.4279,  
0.3877

 4.9399, 0.5632,  
0.4183

 91.3718, 0.4180,  
0.3836

 2.2121, 0.5979,  
0.4021

 117.9515, 0.4096,  
0.3801

 0.7266, 0.6430,  
0.3570

 149.2425, 0.4024,  
0.3769

 0.0000, 1.0000,  
0.0000

 185.6291, 0.3961,

 0.0000, 0.0000,

0.3740

0.0000

227.4957, 0.3907,  
0.3715

■ 24.4777, 0.4718,  
0.4027

■ 24.4777, 0.4718,  
0.4027

■ 21.9549, 0.5011,  
0.4063

■ 27.3496, 0.4421,  
0.3952

■ 19.7606, 0.5281,  
0.4050

■ 30.5822, 0.4137,  
0.3851

■ 17.8744, 0.5511,  
0.3985

■ 34.1910, 0.3876,  
0.3735

■ 17.5116, 0.5558,  
0.3969

■ 38.1890, 0.3641,  
0.3614

■ 42.5889, 0.3433,  
0.3493

■ 47.4025, 0.3253,  
0.3377

■ 52.6411, 0.3096,  
0.3268

■ 58.3155, 0.2961,  
0.3166

■ 64.4363, 0.2844,  
0.3072

# Harmonies

## Analogous

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



24.4777, 0.4704, 0.3423



24.4777, 0.4718, 0.4027



24.4777, 0.4273, 0.4572

# Triad

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



24.4777, 0.4718, 0.4027



24.4777, 0.2121, 0.3689



24.4777, 0.2536, 0.2106

# Complementary

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



24.4777, 0.4718, 0.4027



21.2207, 0.2106, 0.2294

# 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.



24.4777, 0.1988, 0.2056



24.4777, 0.4718, 0.4027



24.4777, 0.1769, 0.2833

# Square

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



24.4777, 0.4718, 0.4027



24.4777, 0.2768, 0.4522



24.4777, 0.1731, 0.2281



24.4777, 0.3332, 0.2389



# Rectangle

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



24.4777, 0.4718, 0.4027



24.4777, 0.3813, 0.4800



24.4777, 0.1731, 0.2281



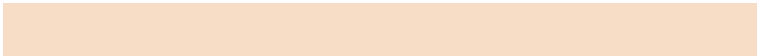
24.4777, 0.2322, 0.2062

# Sweetspot

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



24.4790, 0.4718, 0.4027



75.1571, 0.3481, 0.3522



16.0118, 0.4034, 0.2373



16.0002, 0.3539, 0.3556



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.



24.4790, 0.4718, 0.4027



37.9497, 0.5134, 0.4064



44.5042, 0.4109, 0.4726



10.2235, 0.3277, 0.3393



11.7940, 0.5536, 0.3986



0.5926, 0.5135, 0.4305



# Inverse Universe

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



21.2207, 0.2106, 0.2294



31.5543, 0.1950, 0.2043



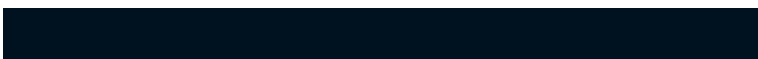
9.0418, 0.1854, 0.1252



10.0725, 0.2984, 0.3184



9.2942, 0.1825, 0.1768

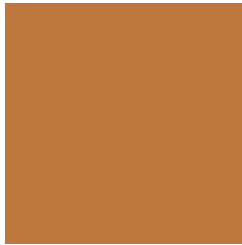


0.4930, 0.1936, 0.2168



# Previews

## White Background



This preview shows how the Yxy color 24.4777, 0.4718, 0.4027 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

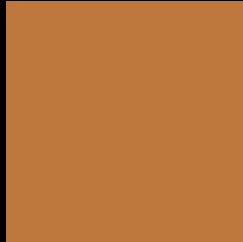
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 24.4777, 0.4718, 0.4027 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

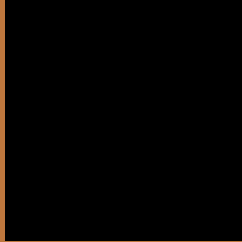
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.4777, 0.4718, 0.4027**

## Background



This preview shows how black text looks on a background with the Yxy color 24.4777, 0.4718, 0.4027.



This preview shows how white text looks on a background with the Yxy color 24.4777, 0.4718, 0.4027.

# 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

24.4777, 0.4718, 0.4027

### Protanopia

24.5810, 0.4038, 0.4402

### Deuteranopia

24.4410, 0.4396, 0.4301



## Tritanopia

24.4382, 0.4086, 0.3171

# Trichromacy



**Original Color**

24.4777, 0.4718, 0.4027

**Protanomaly**

24.3348, 0.4284, 0.4268

**Deuteranomaly**

24.3301, 0.4524, 0.4192

**Tritanomaly**

24.4998, 0.4351, 0.3510

# Monochromacy



**Original Color**

24.4777, 0.4718, 0.4027

**Achromatopsia**

23.8398, 0.3127, 0.3290

**Achromatomaly**

23.6321, 0.3684, 0.3654

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.4777, 0.4718, 0.4027 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(190, 119, 61)` looks like.

```
.text, #text, p{  
    color:rgb(190, 119, 61)  
}
```

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(190, 119, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 119, 61) }
```

## Border

The CSS property to change the border of an element to Yxy 24.4777, 0.4718, 0.4027 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(190, 119, 61) }
```

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

```
.border{ border-color:rgb(190, 119, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 119, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 119, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 119, 61);  
box-shadow:4px 4px 4px 4px rgb(190, 119,  
61) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.4777, 0.4718, 0.4027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 119, 61) }
```

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

```
.background{ background-color: rgb(190,  
119, 61) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor