

# Converting Colors

Yxy(52.8619, 0.4484, 0.4020)

Have a look what the booklet for  
Yxy(52.8619, 0.4484, 0.4020)  
contains.

<b>Yxy(52.8793, 0.4484, 0.4021)</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(52.8793, 0.4484, 0.4021)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAF66
RGB	255, 175, 102
RGB Percent	100%, 69%, 40%
CMY	0.0000, 0.3137, 0.6001
CMYK	0.00, 0.31, 0.60, 0.00
HSL	29°, 100%, 70%
HSV	29°, 60%, 100%
XYZ	58.9681, 52.8793, 19.6604
YIQ	190.5980, 71.1130, -5.7430

# Conversions

## Conversions Part 2

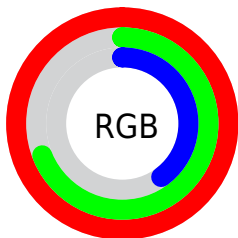
Format	Color
R <sub>Y</sub> B	255, 242, 102
Decimal	16756582
CIE Lab	77.80, 22.12, 48.69
CIE LCh	78, 53.477, 65.568
Yxy	52.8793, 0.4484, 0.4021
Android (android.graphics.Color)	4294946662 (0xFFFFAF66)
YUV	190.5980, -43.6788, 56.4806
Hunter-Lab	72.7182, 17.4912, 34.8728

# Details

The Yxy color **52.8793, 0.4484, 0.4021** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **43.4833, 0.2180, 0.2355**, and the grayscale version is **52.0816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7784, 0.3803, 0.4057**, and **25.6363, 0.4804, 0.4129** is the 20% darker color. If you saturate the color by 10%, you get **47.5154, 0.4773, 0.4092**, and if you desaturate by 10%, it is **58.9148, 0.4201, 0.3918**.

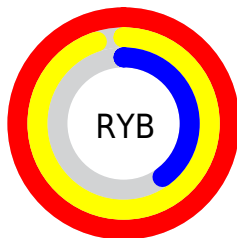
# Distribution



Red (100%)

Green (69%)

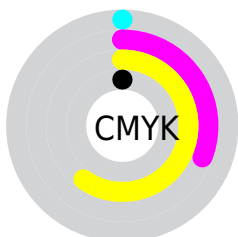
Blue (40%)



Red (100%)

Yellow (95%)

Blue (40%)

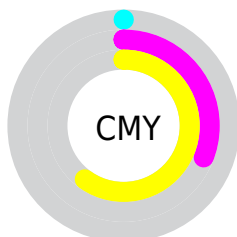


Cyan (0%)

Magenta (31%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (31%)


Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.8793, 0.4484, 0.4021 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 52.8793, 0.4484, 0.4021 by changing the saturation by 10% instead.





 52.8793, 0.4484,  
0.4021


 52.8793, 0.4484,  
0.4021

397.8219, 0.3834,  
0.3714

 37.7064, 0.4630,  
0.4076


 94.4267, 0.4258,  
0.3925


 25.7549, 0.4807,  
0.4134


 121.5701, 0.4170,  
0.3884

 16.6404, 0.5021,  
0.4189

 153.4724, 0.4095,  
0.3848

 9.9784, 0.5280,  
0.4227

 190.5180, 0.4029,  
0.3815

 5.3847, 0.5699,  
0.4301

233.0914, 0.3971,  
0.3786

 2.4747, 0.5922,  
0.4078

281.5769, 0.3920,

 0.8639, 0.6307,

0.3760

0.3693

336.3589, 0.3875,  
0.3736

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

52.8793, 0.4484,  
0.4021

52.8793, 0.4484,  
0.4021

47.5154, 0.4773,  
0.4092

58.9148, 0.4201,  
0.3918

42.7878, 0.5052,  
0.4119


65.6432, 0.3935,  
0.3797

38.6653, 0.5299,  
0.4091

73.0916, 0.3694,  
0.3667

35.1068, 0.5504,  
0.4012

81.2837, 0.3479,  
0.3537

 90.2419, 0.3291,  
0.3410

99.9875, 0.3127,  
0.3290

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



52.8793, 0.4507, 0.3490



52.8793, 0.4484, 0.4021



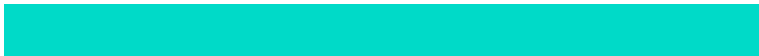
52.8793, 0.4076, 0.4458

# Triad

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



52.8793, 0.4484, 0.4021



52.8793, 0.2207, 0.3547



52.8793, 0.2691, 0.2267

# Complementary

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



52.8793, 0.4484, 0.4021



43.4833, 0.2180, 0.2355

# 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.



52.8793, 0.2173, 0.2201



52.8793, 0.4484, 0.4021



52.8793, 0.1918, 0.2840

# Square

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



52.8793, 0.4484, 0.4021



52.8793, 0.2756, 0.4260



52.8793, 0.1911, 0.2381



52.8793, 0.3396, 0.2540



# Rectangle

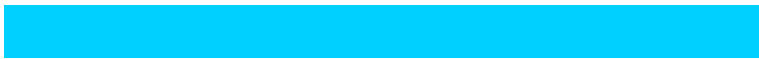
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.8793, 0.4484, 0.4021



52.8793, 0.3667, 0.4602



52.8793, 0.1911, 0.2381



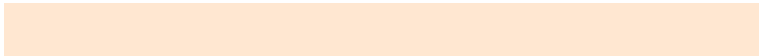
52.8793, 0.2492, 0.2220

# Sweetspot

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



52.8812, 0.4484, 0.4021



83.0241, 0.3439, 0.3511



34.1999, 0.3967, 0.2485



17.2340, 0.3498, 0.3548



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.



52.8812, 0.4484, 0.4021



46.5259, 0.4830, 0.4101



90.5271, 0.4005, 0.4660



19.4173, 0.3282, 0.3404



18.6387, 0.5477, 0.4033



2.0319, 0.5293, 0.4179



# Inverse Universe

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



43.4833, 0.2180, 0.2355



36.3488, 0.2025, 0.2129



20.5729, 0.1966, 0.1405



18.9491, 0.2979, 0.3174



12.8814, 0.1792, 0.1650



1.4731, 0.1847, 0.1850



# Previews

## White Background



This preview shows how the Yxy color 52.8793, 0.4484, 0.4021 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 52.8793, 0.4484, 0.4021 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 ✓ Pass

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

**Yxy 52.8793, 0.4484, 0.4021**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.8793, 0.4484, 0.4021.



This preview shows how white text looks on a background with the Yxy color 52.8793, 0.4484, 0.4021.

# 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

52.8793, 0.4484, 0.4021

### Protanopia

53.2197, 0.3945, 0.4291

### Deuteranopia

53.2056, 0.4280, 0.4188



## Tritanopia

52.9312, 0.3821, 0.3176

# Trichromacy



**Original Color**

52.8793, 0.4484, 0.4021

**Protanomaly**

52.6524, 0.4144, 0.4183

**Deuteranomaly**

53.2204, 0.4354, 0.4125

**Tritanomaly**

52.6528, 0.4078, 0.3493

# Monochromacy



**Original Color**

52.8793, 0.4484, 0.4021

**Achromatopsia**

52.0996, 0.3127, 0.3290

**Achromatomaly**

51.4973, 0.3593, 0.3604

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.8793, 0.4484, 0.4021 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(255, 175, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 102)  
}
```

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(255, 175, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 52.8793, 0.4484, 0.4021 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(255, 175, 102) }
```

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

```
.border{ border-color:rgb(255, 175, 102) }
```

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

Here you see how a box with a 4 pixel rgb(255, 175, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.8793, 0.4484, 0.4021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 102) }
```

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

```
.background{ background-color: rgb(255,  
175, 102) }
```

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