

Converting Colors

Yxy(52.8508, 0.4794, 0.4415)

Have a look what the booklet for
Yxy(52.8508, 0.4794, 0.4415)
contains.

Yxy(52.8787, 0.4793, 0.4416)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.8787, 0.4793, 0.4416)

Conversions

Conversions Part 1

Format	Color
Hex	FFB12B
RGB	255, 177, 43
RGB Percent	100%, 69%, 17%
CMY	0.0001, 0.3058, 0.8312
CMYK	0.00, 0.31, 0.83, 0.00
HSL	38°, 100%, 58%
HSV	38°, 83%, 100%
XYZ	57.3930, 52.8787, 9.4717
YIQ	185.0460, 89.5020, -25.1380

Conversions

Conversions Part 2

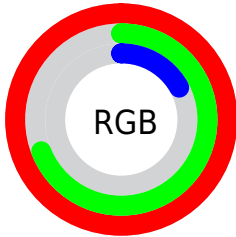
Format	Color
R _Y B	166, 255, 43
Decimal	16757035
CIE Lab	77.80, 18.29, 73.11
CIE LCh	78, 75.365, 75.956
Yxy	52.8787, 0.4793, 0.4416
Android (android.graphics.Color)	4294947115 (0xFFFFB12B)
YUV	185.0460, -70.0287, 61.3497
Hunter-Lab	72.7177, 13.6264, 43.1797

Details

The Yxy color **52.8787, 0.4793, 0.4416** is a light color, and the websafe version is hex **FF9900**. The color can be described as light washed orange. A complement of this color would be **21.4114, 0.1789, 0.1480**, and the grayscale version is **48.9072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4774, 0.4104, 0.4541**, and **26.0047, 0.4987, 0.4422** is the 20% darker color. If you saturate the color by 10%, you get **49.1693, 0.4954, 0.4407**, and if you desaturate by 10%, it is **56.9650, 0.4600, 0.4372**.

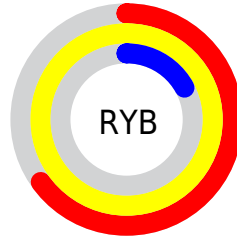
Distribution



Red (100%)

Green (69%)

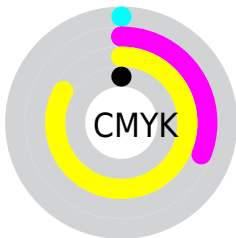
Blue (17%)



Red (65%)

Yellow (100%)

Blue (17%)

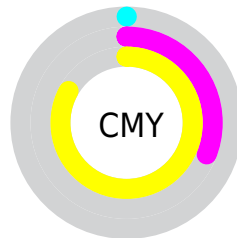


Cyan (0%)

Magenta (31%)

Yellow (83%)

Black (0%)



Cyan (0%)


Magenta (31%)

Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.8787, 0.4793, 0.4416 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 52.8787, 0.4793, 0.4416 by changing the saturation by 10% instead.


 52.8787, 0.4793,
0.4416

 52.8787, 0.4793,
0.4416


397.8196, 0.4049,
0.3978

 37.7059, 0.4935,
0.4477


 94.4259, 0.4553,
0.4292


 25.7545, 0.5091,
0.4529


 121.5690, 0.4454,
0.4235


 16.6401, 0.5260,
0.4562


 153.4712, 0.4366,
0.4183

 9.9782, 0.5441,
0.4559

 190.5166, 0.4288,
0.4134

 5.3845, 0.5564,
0.4436

 233.0898, 0.4218,
0.4090

 2.4746, 0.5754,
0.4246

 281.5751, 0.4156,

 0.8639, 0.6086,

0.4049

0.3914

336.3569, 0.4100,
0.4012

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

52.8787, 0.4793,
0.4416

52.8787, 0.4793,
0.4416

49.1693, 0.4954,
0.4407

56.9650, 0.4600,
0.4372

46.8080, 0.5047,
0.4374

61.4438, 0.4385,
0.4281

66.3383, 0.4161,
0.4153

71.6664, 0.3938,
0.4001

77.4448, 0.3723,
0.3836

83.6886, 0.3523,
0.3666

90.4123, 0.3340,
0.3499

97.6292, 0.3175,
0.3338

99.9958, 0.3127,
0.3290

Harmonies

Analogous

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



52.8787, 0.5092, 0.3717



52.8787, 0.4793, 0.4416



52.8787, 0.4069, 0.5013

Triad

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



52.8787, 0.4793, 0.4416



52.8787, 0.1702, 0.3238



52.8787, 0.2821, 0.2035

Complementary

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



52.8787, 0.4793, 0.4416



21.4114, 0.1789, 0.1480

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.



52.8787, 0.2041, 0.1848



52.8787, 0.4793, 0.4416



52.8787, 0.1486, 0.2371

Square

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



52.8787, 0.4793, 0.4416



52.8787, 0.2289, 0.4382



52.8787, 0.1603, 0.1938



52.8787, 0.3848, 0.2459

Rectangle

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



52.8787, 0.4793, 0.4416



52.8787, 0.3470, 0.5170



52.8787, 0.1603, 0.1938



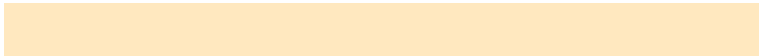
52.8787, 0.2524, 0.1945

Sweetspot

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



52.8814, 0.4793, 0.4416



82.4918, 0.3560, 0.3698



24.4500, 0.4991, 0.2667



17.1822, 0.3629, 0.3758



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.



52.8814, 0.4793, 0.4416



46.8171, 0.5047, 0.4374



88.5455, 0.3978, 0.5112



19.9013, 0.3278, 0.3440



24.7579, 0.5029, 0.4389



2.6194, 0.4909, 0.4485

Inverse Universe

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



21.4114, 0.1789, 0.1480



15.1912, 0.1649, 0.1137



10.1711, 0.1677, 0.0802



18.4720, 0.2979, 0.3135



8.1975, 0.1658, 0.1167



0.9982, 0.1720, 0.1392

Previews

White Background



This preview shows how the Yxy color 52.8787, 0.4793, 0.4416 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 52.8787, 0.4793, 0.4416 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 52.8787, 0.4793, 0.4416

Background



This preview shows how black text looks on a background with the Yxy color 52.8787, 0.4793, 0.4416.



This preview shows how white text looks on a background with the Yxy color 52.8787, 0.4793, 0.4416.

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

52.8787, 0.4793, 0.4416

Protanopia

52.9441, 0.4307, 0.4760

Deuteranopia

53.0749, 0.4649, 0.4546



Tritanopia

52.8906, 0.3830, 0.3187

Trichromacy



Original Color

52.8787, 0.4793, 0.4416

Protanomaly

52.5609, 0.4484, 0.4631

Deuteranomaly

52.9820, 0.4698, 0.4502

Tritanomaly

52.3768, 0.4273, 0.3729

Monochromacy



Original Color

52.8787, 0.4793, 0.4416

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.8510, 0.3788, 0.3892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.8787, 0.4793, 0.4416 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, 177, 43)` looks like.

```
.text, #text, p{  
    color:rgb(255, 177, 43)  
}
```

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, 177, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 177, 43) }
```

Border

The CSS property to change the border of an element to Yxy 52.8787, 0.4793, 0.4416 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, 177, 43) }
```

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

```
.border{ border-color:rgb(255, 177, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 177, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 177, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 177, 43);  
box-shadow:4px 4px 4px 4px rgb(255, 177,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 52.8787, 0.4793, 0.4416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 177, 43) }
```

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

```
.background{ background-color: rgb(255,  
177, 43) }
```

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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