

Converting Colors

$Y_{xy}(45.7976, 0.4988, 0.4241)$

Have a look what the booklet for
Yxy(45.7976, 0.4988, 0.4241)
contains.

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Color

Yxy(45.8881, 0.4987, 0.4245)

Conversions

Conversions Part 1

Format	Color
Hex	FF9E2B
RGB	255, 158, 43
RGB Percent	100%, 62%, 17%
CMY	0.0000, 0.3804, 0.8313
CMYK	0.00, 0.38, 0.83, 0.00
HSL	33°, 100%, 58%
HSV	33°, 83%, 100%
XYZ	53.9091, 45.8881, 8.3020
YIQ	173.8930, 94.7270, -15.2010

Conversions

Conversions Part 2

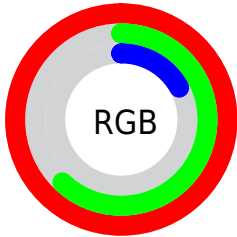
Format	Color
R _Y B	222, 255, 43
Decimal	16752171
CIE Lab	73.47, 28.22, 69.46
CIE LCh	73, 74.971, 67.885
Yxy	45.8881, 0.4987, 0.4245
Android (android.graphics.Color)	4294942251 (0xFFFF9E2B)
YUV	173.8930, -64.5302, 71.1308
Hunter-Lab	67.7408, 23.5065, 40.1522

Details

The Yxy color **45.8881, 0.4987, 0.4245** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **26.4945, 0.1856, 0.1730**, and the grayscale version is **42.5692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7494, 0.4238, 0.4393**, and **21.5145, 0.5258, 0.4207** is the 20% darker color. If you saturate the color by 10%, you get **41.9605, 0.5190, 0.4215**, and if you desaturate by 10%, it is **50.3070, 0.4749, 0.4221**.

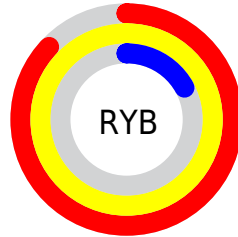
Distribution



Red (100%)

Green (62%)

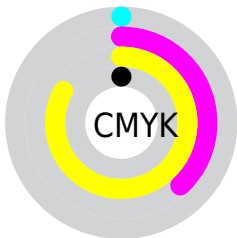
Blue (17%)



Red (87%)

Yellow (100%)

Blue (17%)

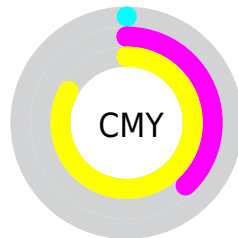


Cyan (0%)

Magenta (38%)

Yellow (83%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8881, 0.4987, 0.4245 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 45.8881, 0.4987, 0.4245 by changing the saturation by 10% instead.

 45.8881, 0.4987,
0.4245


 45.8881, 0.4987,
0.4245

370.3586, 0.4124,
0.3897

 32.1575, 0.5160,
0.4281


 84.0515, 0.4702,
0.4156

 21.4818, 0.5354,
0.4299


 109.2531, 0.4586,
0.4111

 13.4767, 0.5583,
0.4294


 139.0472, 0.4484,
0.4068

 7.7576, 0.5798,
0.4202

 173.8182, 0.4394,
0.4028

 3.9402, 0.6010,
0.3990

 213.9504, 0.4314,
0.3991

 1.6402, 0.6344,
0.3656

 259.8283, 0.4244,

 0.3845, 0.7362,

0.3957

0.2638

311.8362, 0.4181,
0.3926

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.8881, 0.4987,
0.4245

■ 45.8881, 0.4987,
0.4245

■ 41.9605, 0.5190,
0.4215

■ 50.3070, 0.4749,
0.4221

■ 39.5271, 0.5309,
0.4166

■ 55.2513, 0.4493,
0.4148

■ 60.7444, 0.4233,
0.4039

■ 66.8092, 0.3982,
0.3907

73.4667, 0.3748,
0.3763

80.7364, 0.3535,
0.3615

88.6368, 0.3344,
0.3470

97.1854, 0.3176,
0.3332

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.



45.8881, 0.5146, 0.3528



45.8881, 0.4987, 0.4245



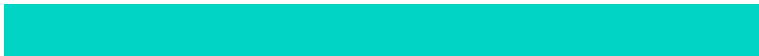
45.8881, 0.4321, 0.4930

Triad

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



45.8881, 0.4987, 0.4245



45.8881, 0.1773, 0.3544



45.8881, 0.2555, 0.1917

Complementary

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



45.8881, 0.4987, 0.4245



26.4945, 0.1856, 0.1730

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.



45.8881, 0.1847, 0.1796



45.8881, 0.4987, 0.4245



45.8881, 0.1456, 0.2525

Square

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



45.8881, 0.4987, 0.4245



45.8881, 0.2474, 0.4722



45.8881, 0.1490, 0.1969



45.8881, 0.3579, 0.2291

Rectangle

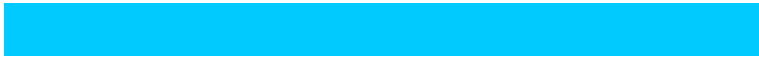
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.8881, 0.4987, 0.4245



45.8881, 0.3727, 0.5219



45.8881, 0.1490, 0.1969



45.8881, 0.2279, 0.1847

Sweetspot

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



45.8864, 0.4987, 0.4245



79.3320, 0.3573, 0.3642



24.9396, 0.4706, 0.2498



16.4272, 0.3647, 0.3694



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.



45.8864, 0.4987, 0.4245



39.5271, 0.5309, 0.4166



91.6388, 0.4102, 0.5020



19.6197, 0.3281, 0.3419



20.9562, 0.5286, 0.4185



2.2590, 0.5127, 0.4311

Inverse Universe

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



26.4945, 0.1856, 0.1730



19.8696, 0.1724, 0.1405



9.6285, 0.1615, 0.0769



18.7472, 0.2979, 0.3158



10.6727, 0.1732, 0.1435



1.2545, 0.1792, 0.1651

Previews

White Background



This preview shows how the Yxy color 45.8881, 0.4987, 0.4245 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 45.8881, 0.4987, 0.4245 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 45.8881, 0.4987, 0.4245

Background



This preview shows how black text looks on a background with the Yxy color 45.8881, 0.4987, 0.4245.



This preview shows how white text looks on a background with the Yxy color 45.8881, 0.4987, 0.4245.

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

45.8881, 0.4987, 0.4245

Protanopia

45.9660, 0.4289, 0.4726

Deuteranopia

46.1264, 0.4647, 0.4554



Tritanopia

45.9313, 0.4084, 0.3198

Trichromacy



Original Color

45.8881, 0.4987, 0.4245

Protanomaly

45.6220, 0.4545, 0.4549

Deuteranomaly

45.9611, 0.4773, 0.4437

Tritanomaly

45.6556, 0.4504, 0.3671

Monochromacy



Original Color

45.8881, 0.4987, 0.4245

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.2081, 0.3845, 0.3828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8881, 0.4987, 0.4245 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, 158, 43)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 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, 158, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 43) }
```

Border

The CSS property to change the border of an element to Yxy 45.8881, 0.4987, 0.4245 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, 158, 43) }
```

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

```
.border{ border-color:rgb(255, 158, 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, 158, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 43);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8881, 0.4987, 0.4245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 43) }
```

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

```
.background{ background-color: rgb(255,  
158, 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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