

Converting Colors

$Y_{xy}(45.4966, 0.4533, 0.3995)$

Have a look what the booklet for
Yxy(45.4966, 0.4533, 0.3995)
contains.

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Color

Yxy(45.5261, 0.4533, 0.4002)

Conversions

Conversions Part 1

Format	Color
Hex	F2A25E
RGB	242, 162, 94
RGB Percent	95%, 64%, 37%
CMY	0.0509, 0.3647, 0.6313
CMYK	0.00, 0.33, 0.61, 0.05
HSL	28°, 85%, 66%
HSV	28°, 61%, 95%
XYZ	51.5667, 45.5261, 16.6656
YIQ	178.1680, 69.5080, -4.1880

Conversions

Conversions Part 2

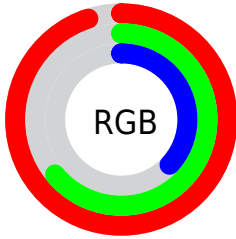
Format	Color
R _Y B	242, 220, 94
Decimal	15901278
CIE Lab	73.24, 23.16, 46.87
CIE LCh	73, 52.282, 63.708
Yxy	45.5261, 0.4533, 0.4002
Android (android.graphics.Color)	4294091358 (0xFFFF2A25E)
YUV	178.1680, -41.4948, 55.9807
Hunter-Lab	67.4730, 18.3419, 32.5867

Details

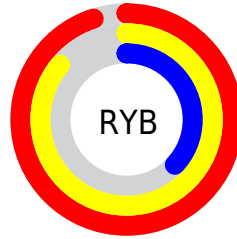
The Yxy color **45.5261, 0.4533, 0.4002** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **39.0907, 0.2175, 0.2375**, and the grayscale version is **44.8135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9610, 0.3920, 0.4015**, and **21.2788, 0.4893, 0.4111** is the 20% darker color. If you saturate the color by 10%, you get **40.7863, 0.4830, 0.4065**, and if you desaturate by 10%, it is **50.8867, 0.4242, 0.3906**.

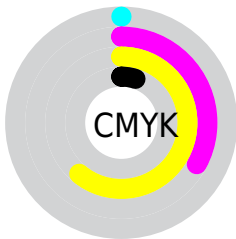
Distribution



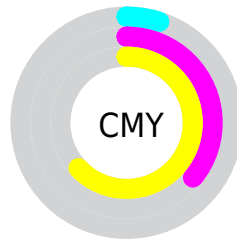
- Red (95%)
- Green (64%)
- Blue (37%)



- Red (95%)
- Yellow (86%)
- Blue (37%)



- Cyan (0%)
- Magenta (33%)
- Yellow (61%)
- Black (5%)





- Cyan (5%)
- Magenta (36%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5261, 0.4533, 0.4002 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 45.5261, 0.4533, 0.4002 by changing the saturation by 10% instead.


 45.5261, 0.4533,
0.4002

 45.5261, 0.4533,
0.4002


368.9001, 0.3842,
0.3699


 31.8720, 0.4693,
0.4055


 83.5093, 0.4289,
0.3908

 21.2638, 0.4888,
0.4110


 108.6072, 0.4195,
0.3867

 13.3169, 0.5126,
0.4157


 138.2886, 0.4115,
0.3831

 7.6472, 0.5421,
0.4180

 172.9377, 0.4045,
0.3799

 3.8700, 0.5828,
0.4172

212.9390, 0.3984,
0.3770

 1.6011, 0.6119,
0.3881

258.6769, 0.3931,

 0.3584, 0.7169,

0.3744

0.2831

310.5358, 0.3884,
0.3721

0.0000, 0.0000,
0.0000

45.5261, 0.4533,
0.4002

45.5261, 0.4533,
0.4002

40.7863, 0.4830,
0.4065

50.8867, 0.4242,
0.3906

36.6324, 0.5115,
0.4083

56.8866, 0.3969,
0.3791

33.0358, 0.5366,
0.4046

63.5519, 0.3722,
0.3667


30.2819, 0.5553,
0.3973

70.9048, 0.3503,
0.3541

78.9665, 0.3311,
0.3419

 87.7569, 0.3145,
0.3303

 96.7391, 0.3048,
0.3276

 97.6220, 0.3048,
0.3290

Harmonies

Analogous

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



45.5261, 0.4532, 0.3457



45.5261, 0.4533, 0.4002



45.5261, 0.4132, 0.4464

Triad

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



45.5261, 0.4533, 0.4002



45.5261, 0.2211, 0.3602



45.5261, 0.2639, 0.2232

Complementary

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



45.5261, 0.4533, 0.4002



39.0907, 0.2175, 0.2375

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.



45.5261, 0.2126, 0.2179



45.5261, 0.4533, 0.4002



45.5261, 0.1899, 0.2864

Square

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



45.5261, 0.4533, 0.4002



45.5261, 0.2785, 0.4327



45.5261, 0.1875, 0.2377



45.5261, 0.3355, 0.2500

Rectangle

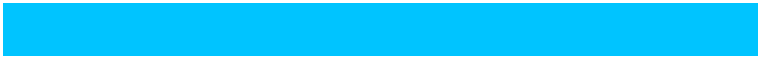
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.5261, 0.4533, 0.4002



45.5261, 0.3719, 0.4632



45.5261, 0.1875, 0.2377



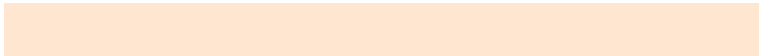
45.5261, 0.2440, 0.2189

Sweetspot

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



45.5284, 0.4533, 0.4002



82.5611, 0.3441, 0.3503



30.0046, 0.3954, 0.2451



17.1215, 0.3499, 0.3539



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.



45.5284, 0.4533, 0.4002



44.9089, 0.4890, 0.4073



78.8940, 0.4030, 0.4658



16.9549, 0.3282, 0.3399



16.5301, 0.5526, 0.3995



1.5719, 0.5306, 0.4169

Inverse Universe

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



39.0907, 0.2175, 0.2375



37.0486, 0.2025, 0.2157



18.1845, 0.1954, 0.1402



16.6450, 0.2980, 0.3179



12.4224, 0.1810, 0.1717



1.2323, 0.1872, 0.1940

Previews

White Background



This preview shows how the Yxy color 45.5261, 0.4533, 0.4002 looks on a white background.

Color Contrast Check

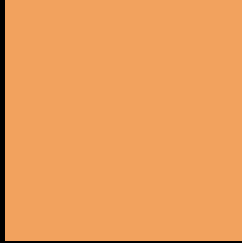
Large Text (above 18pt) WCAG AA × Fail

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 45.5261, 0.4533, 0.4002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

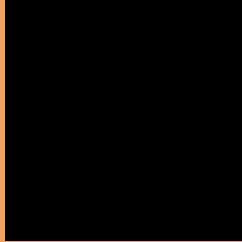
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5261, 0.4533, 0.4002

Background



This preview shows how black text looks on a background with the Yxy color 45.5261, 0.4533, 0.4002.



This preview shows how white text looks on a background with the Yxy color 45.5261, 0.4533, 0.4002.

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

45.5261, 0.4533, 0.4002

Protanopia

45.5684, 0.3949, 0.4294

Deuteranopia

45.6499, 0.4281, 0.4202



Tritanopia

45.6020, 0.3946, 0.3173

Trichromacy



Original Color

45.5261, 0.4533, 0.4002

Protanomaly

45.0651, 0.4162, 0.4179

Deuteranomaly

45.4536, 0.4377, 0.4120

Tritanomaly

45.3905, 0.4180, 0.3489

Monochromacy



Original Color

45.5261, 0.4533, 0.4002

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.0291, 0.3618, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5261, 0.4533, 0.4002 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(242, 162, 94)` looks like.

```
.text, #text, p{  
    color:rgb(242, 162, 94)  
}
```

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(242, 162, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 162, 94) }
```

Border

The CSS property to change the border of an element to Yxy 45.5261, 0.4533, 0.4002 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(242, 162, 94) }
```

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

```
.border{ border-color:rgb(242, 162, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 162, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 162, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 162, 94);  
box-shadow:4px 4px 4px 4px rgb(242, 162,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5261, 0.4533, 0.4002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 162, 94) }
```

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

```
.background{ background-color: rgb(242,  
162, 94) }
```

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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