

Converting Colors

$Y_{xy}(45.4077, 0.4654, 0.4255)$

Have a look what the booklet for
Yxy(45.4077, 0.4654, 0.4255)
contains.

Yxy(45.5048, 0.4655, 0.4257)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.5048, 0.4655, 0.4257)

Conversions

Conversions Part 1

Format	Color
Hex	EEA544
RGB	238, 165, 68
RGB Percent	93%, 65%, 27%
CMY	0.0667, 0.3529, 0.7333
CMYK	0.00, 0.31, 0.71, 0.07
HSL	34°, 83%, 60%
HSV	34°, 71%, 93%
XYZ	49.7592, 45.5048, 11.6301
YIQ	175.7690, 74.6450, -14.6910

Conversions

Conversions Part 2

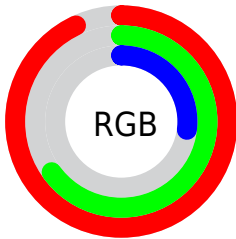
Format	Color
RYB	196, 238, 68
Decimal	15639876
CIELab	73.22, 18.40, 58.94
CIElCh	73, 61.743, 72.666
Yxy	45.5048, 0.4655, 0.4257
Android (android.graphics.Color)	4293829956 (0xFFEEA544)
YUV	175.7690, -53.1301, 54.5766
Hunter-Lab	67.4572, 13.6186, 36.9981

Details

The Yxy color **45.5048, 0.4655, 0.4257** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **26.4529, 0.1976, 0.1912**, and the grayscale version is **43.5440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8269, 0.4069, 0.4274**, and **21.1705, 0.4991, 0.4389** is the 20% darker color. If you saturate the color by 10%, you get **41.7322, 0.4882, 0.4298**, and if you desaturate by 10%, it is **49.6945, 0.4411, 0.4171**.

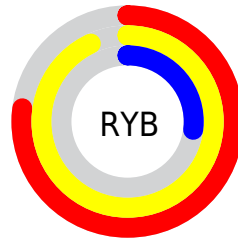
Distribution



Red (93%)

Green (65%)

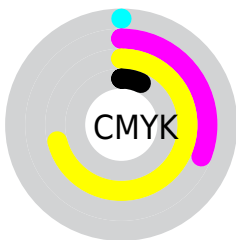
Blue (27%)



Red (77%)

Yellow (93%)

Blue (27%)

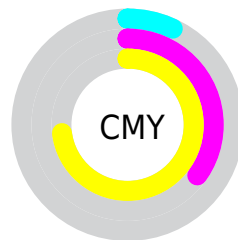


Cyan (0%)

Magenta (31%)

Yellow (71%)

Black (7%)



Cyan (7%)


Magenta (35%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5048, 0.4655, 0.4257 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 45.5048, 0.4655, 0.4257 by changing the saturation by 10% instead.


 45.5048, 0.4655,
0.4257


 45.5048, 0.4655,
0.4257


368.8142, 0.3928,
0.3850

 31.8552, 0.4811,
0.4324


 83.4774, 0.4407,
0.4133


 21.2509, 0.4992,
0.4389


 108.5692, 0.4309,
0.4079


 13.3076, 0.5197,
0.4438


 138.2439, 0.4223,
0.4031

 7.6407, 0.5495,
0.4505

 172.8859, 0.4149,
0.3987

 3.8659, 0.5644,
0.4356

 212.8795, 0.4083,
0.3948

 1.5988, 0.5886,
0.4114

258.6091, 0.4025,

 0.3568, 0.6884,

0.3912

0.3116

310.4592, 0.3974,
0.3880

0.0000, 0.0000,
0.0000

45.5048, 0.4655,
0.4257

45.5048, 0.4655,
0.4257

41.7322, 0.4882,
0.4298

49.6945, 0.4411,
0.4171

38.3477, 0.5079,
0.4285


54.3137, 0.4164,
0.4051

35.7304, 0.5221,
0.4236

59.3823, 0.3925,
0.3909


64.9164, 0.3701,
0.3758

70.9310, 0.3496,
0.3604

 77.4404, 0.3312,
0.3453

 84.4579, 0.3149,
0.3310

 91.7749, 0.3024,
0.3208

 96.9175, 0.3023,
0.3290

Harmonies

Analogous

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



45.5048, 0.4833, 0.3638



45.5048, 0.4655, 0.4257



45.5048, 0.4067, 0.4765

Triad

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



45.5048, 0.4655, 0.4257



45.5048, 0.1918, 0.3364



45.5048, 0.2780, 0.2145

Complementary

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



45.5048, 0.4655, 0.4257



26.4529, 0.1976, 0.1912

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.



45.5048, 0.2114, 0.2005



45.5048, 0.4655, 0.4257



45.5048, 0.1675, 0.2569

Square

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



45.5048, 0.4655, 0.4257



45.5048, 0.2487, 0.4310



45.5048, 0.1745, 0.2127



45.5048, 0.3658, 0.2509

Rectangle

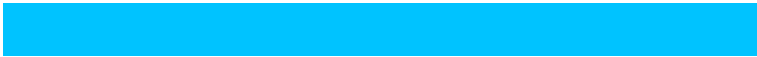
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.5048, 0.4655, 0.4257



45.5048, 0.3549, 0.4901



45.5048, 0.1745, 0.2127



45.5048, 0.2527, 0.2072

Sweetspot

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



45.5071, 0.4655, 0.4257



83.2146, 0.3489, 0.3598



24.2556, 0.4471, 0.2570



17.3806, 0.3544, 0.3641



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.



45.5071, 0.4655, 0.4257



46.8166, 0.4983, 0.4299



77.8448, 0.3994, 0.4921



17.2562, 0.3279, 0.3425



20.1957, 0.5201, 0.4253



1.8772, 0.5032, 0.4387

Inverse Universe

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



26.4529, 0.1976, 0.1912



23.5199, 0.1806, 0.1589



11.9850, 0.1807, 0.1044



16.3449, 0.2980, 0.3152



9.0126, 0.1709, 0.1352



0.9435, 0.1780, 0.1607

Previews

White Background



This preview shows how the Yxy color 45.5048, 0.4655, 0.4257 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 45.5048, 0.4655, 0.4257 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 45.5048, 0.4655, 0.4257

Background



This preview shows how black text looks on a background with the Yxy color 45.5048, 0.4655, 0.4257.



This preview shows how white text looks on a background with the Yxy color 45.5048, 0.4655, 0.4257.

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

45.5048, 0.4655, 0.4257

Protanopia

45.5279, 0.4165, 0.4560

Deuteranopia

45.5267, 0.4497, 0.4394



Tritanopia

45.4290, 0.3903, 0.3172

Trichromacy



Original Color

45.5048, 0.4655, 0.4257

Protanomaly

45.4110, 0.4333, 0.4452

Deuteranomaly

45.6042, 0.4554, 0.4342

Tritanomaly

45.2852, 0.4230, 0.3611

Monochromacy



Original Color

45.5048, 0.4655, 0.4257

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.4533, 0.3689, 0.3744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5048, 0.4655, 0.4257 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(238, 165, 68)` looks like.

```
.text, #text, p{  
    color:rgb(238, 165, 68)  
}
```

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(238, 165, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 165, 68) }
```

Border

The CSS property to change the border of an element to Yxy 45.5048, 0.4655, 0.4257 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(238, 165, 68) }
```

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

```
.border{ border-color:rgb(238, 165, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 165, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 165, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 165, 68);  
box-shadow:4px 4px 4px 4px rgb(238, 165,  
68) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 45.5048, 0.4655, 0.4257$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 165, 68) }
```

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

```
.background{ background-color: rgb(238,  
165, 68) }
```

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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