

Converting Colors

$Y_{xy}(41.9603, 0.4649, 0.4213)$

Have a look what the booklet for
Yxy(41.9603, 0.4649, 0.4213)
contains.

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Color

Yxy(41.8723, 0.4653, 0.4212)

Conversions

Conversions Part 1

Format	Color
Hex	E79E45
RGB	231, 158, 69
RGB Percent	91%, 62%, 27%
CMY	0.0941, 0.3804, 0.7292
CMYK	0.00, 0.32, 0.70, 0.09
HSL	33°, 77%, 59%
HSV	33°, 70%, 91%
XYZ	46.2564, 41.8723, 11.2833
YIQ	169.6810, 72.0770, -12.2030

Conversions

Conversions Part 2

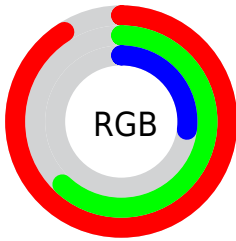
Format	Color
R _Y B	202, 231, 69
Decimal	15179333
CIE Lab	70.78, 19.23, 55.68
CIE LCh	71, 58.911, 70.950
Yxy	41.8723, 0.4653, 0.4212
Android (android.graphics.Color)	4293369413 (0xFFE79E45)
YUV	169.6810, -49.6357, 53.7768
Hunter-Lab	64.7088, 14.3583, 34.9578

Details

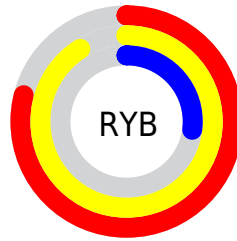
The Yxy color **41.8723, 0.4653, 0.4212** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **26.3961, 0.2008, 0.1996**, and the grayscale version is **40.2600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2290, 0.4107, 0.4212**, and **19.1999, 0.5003, 0.4343** is the 20% darker color. If you saturate the color by 10%, you get **38.2380, 0.4894, 0.4256**, and if you desaturate by 10%, it is **45.9234, 0.4398, 0.4125**.

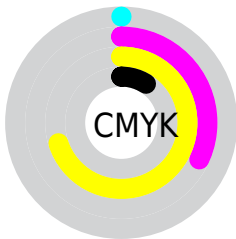
Distribution



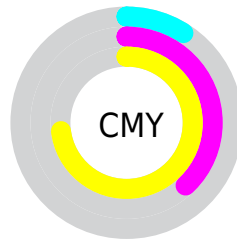
- Red (91%)
- Green (62%)
- Blue (27%)



- Red (79%)
- Yellow (91%)
- Blue (27%)



- Cyan (0%)
- Magenta (32%)
- Yellow (70%)
- Black (9%)



- Cyan (9%)
- Magenta (38%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8723, 0.4653, 0.4212 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 41.8723, 0.4653, 0.4212 by changing the saturation by 10% instead.


 41.8723, 0.4653,
0.4212


 41.8723, 0.4653,
0.4212


353.9533, 0.3911,
0.3819


 29.0013, 0.4816,
0.4278


 78.0063, 0.4397,
0.4091

 19.0818, 0.5009,
0.4341


 102.0381, 0.4296,
0.4039


 11.7294, 0.5231,
0.4386


 130.5590, 0.4209,
0.3992

 6.5597, 0.5554,
0.4446

 163.9534, 0.4133,
0.3950

 3.1883, 0.5726,
0.4274

 202.6056, 0.4067,
0.3912

 1.2308, 0.6014,
0.3986

246.9000, 0.4009,

 0.0867, 0.8643,

0.3878

0.1357

297.2212, 0.3957,
0.3847

0.0000, 0.0000,
0.0000

41.8723, 0.4653,
0.4212

41.8723, 0.4653,
0.4212

38.2380, 0.4894,
0.4256

45.9234, 0.4398,
0.4125

34.9930, 0.5106,
0.4246


50.4036, 0.4144,
0.4006


32.1362, 0.5282,
0.4188


55.3322, 0.3901,
0.3868


60.7250, 0.3676,
0.3721

66.5966, 0.3472,
0.3572

 72.9612, 0.3290,
0.3428

 79.8319, 0.3129,
0.3291

 87.2214, 0.2987,
0.3163

 93.6463, 0.2981,
0.3257

Harmonies

Analogous

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



41.8723, 0.4796, 0.3602



41.8723, 0.4653, 0.4212



41.8723, 0.4095, 0.4719

Triad

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



41.8723, 0.4653, 0.4212



41.8723, 0.1962, 0.3418



41.8723, 0.2742, 0.2149

Complementary

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



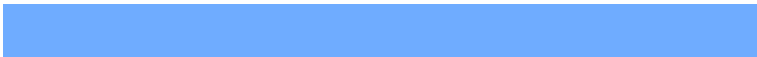
41.8723, 0.4653, 0.4212



26.3961, 0.2008, 0.1996

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.



41.8723, 0.2102, 0.2024



41.8723, 0.4653, 0.4212



41.8723, 0.1703, 0.2619

Square

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



41.8723, 0.4653, 0.4212



41.8723, 0.2541, 0.4335



41.8723, 0.1754, 0.2162



41.8723, 0.3598, 0.2496

Rectangle

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



41.8723, 0.4653, 0.4212



41.8723, 0.3591, 0.4868



41.8723, 0.1754, 0.2162



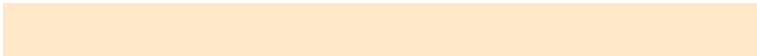
41.8723, 0.2498, 0.2080

Sweetspot

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



41.8744, 0.4653, 0.4212



82.5740, 0.3492, 0.3587



23.2842, 0.4344, 0.2518



17.2282, 0.3547, 0.3628



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.



41.8744, 0.4653, 0.4212



46.0283, 0.4990, 0.4258



73.6832, 0.4026, 0.4872



15.6737, 0.3279, 0.3419



18.2683, 0.5260, 0.4206



1.5349, 0.5062, 0.4363

Inverse Universe

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



26.3961, 0.2008, 0.1996



25.6766, 0.1842, 0.1692



11.5065, 0.1802, 0.1068



14.9516, 0.2981, 0.3157



9.0384, 0.1728, 0.1422



0.8513, 0.1806, 0.1701

Previews

White Background



This preview shows how the Yxy color 41.8723, 0.4653, 0.4212 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 41.8723, 0.4653, 0.4212 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 41.8723, 0.4653, 0.4212

Background



This preview shows how black text looks on a background with the Yxy color 41.8723, 0.4653, 0.4212.



This preview shows how white text looks on a background with the Yxy color 41.8723, 0.4653, 0.4212.

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

41.8723, 0.4653, 0.4212

Protanopia

42.1040, 0.4123, 0.4525

Deuteranopia

41.9144, 0.4464, 0.4373



Tritanopia

41.7224, 0.3924, 0.3157

Trichromacy



Original Color

41.8723, 0.4653, 0.4212

Protanomaly

41.7385, 0.4321, 0.4409

Deuteranomaly

41.6302, 0.4532, 0.4309

Tritanomaly

41.6509, 0.4234, 0.3576

Monochromacy



Original Color

41.8723, 0.4653, 0.4212

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.1724, 0.3680, 0.3732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8723, 0.4653, 0.4212 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(231, 158, 69)` looks like.

```
.text, #text, p{  
    color:rgb(231, 158, 69)  
}
```

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(231, 158, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 158, 69) }
```

Border

The CSS property to change the border of an element to Yxy 41.8723, 0.4653, 0.4212 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(231, 158, 69) }
```

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

```
.border{ border-color:rgb(231, 158, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 158, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 158, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 158, 69);  
box-shadow:4px 4px 4px 4px rgb(231, 158,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8723, 0.4653, 0.4212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 158, 69) }
```

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

```
.background{ background-color: rgb(231,  
158, 69) }
```

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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