

Converting Colors

$Y_{xy}(35.9676, 0.4916, 0.4075)$

Have a look what the booklet for
Yxy(35.9676, 0.4916, 0.4075)
contains.

Yxy(35.9473, 0.4912, 0.4075)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.9473, 0.4912, 0.4075)

Conversions

Conversions Part 1

Format	Color
Hex	E88B3C
RGB	232, 139, 60
RGB Percent	91%, 55%, 24%
CMY	0.0902, 0.4549, 0.7645
CMYK	0.00, 0.40, 0.74, 0.09
HSL	28°, 79%, 57%
HSV	28°, 74%, 91%
XYZ	43.3308, 35.9473, 8.9361
YIQ	157.8010, 80.7870, -4.8530

Conversions

Conversions Part 2

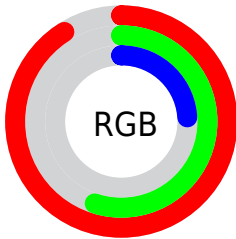
Format	Color
R _Y B	232, 206, 60
Decimal	15239996
CIE Lab	66.48, 29.30, 55.29
CIE LCh	66, 62.577, 62.078
Yxy	35.9473, 0.4912, 0.4075
Android (android.graphics.Color)	4293430076 (0xFFE88B3C)
YUV	157.8010, -48.2159, 65.0725
Hunter-Lab	59.9561, 24.0806, 33.1324

Details

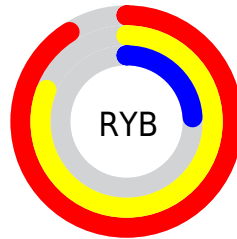
The Yxy color **35.9473, 0.4912, 0.4075** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **29.5917, 0.2017, 0.2144**, and the grayscale version is **34.2954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5698, 0.4287, 0.4107**, and **15.6374, 0.5356, 0.4129** is the 20% darker color. If you saturate the color by 10%, you get **32.3271, 0.5189, 0.4078**, and if you desaturate by 10%, it is **40.0960, 0.4617, 0.4024**.

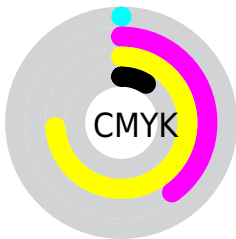
Distribution



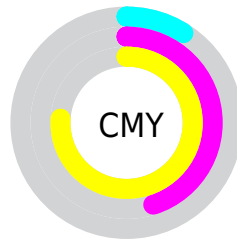
- Red (91%)
- Green (55%)
- Blue (24%)



- Red (91%)
- Yellow (81%)
- Blue (24%)



- Cyan (0%)
- Magenta (40%)
- Yellow (74%)
- Black (9%)



- Cyan (9%)
- Magenta (45%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9473, 0.4912, 0.4075 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 35.9473, 0.4912, 0.4075 by changing the saturation by 10% instead.

 35.9473, 0.4912,
0.4075


 35.9473, 0.4912,
0.4075

328.7301, 0.4020,
0.3767


 24.3935, 0.5113,
0.4111


 68.9507, 0.4600,
0.3991


 15.6258, 0.5351,
0.4130


 91.1691, 0.4478,
0.3951


 9.2597, 0.5643,
0.4120


 117.7112, 0.4373,
0.3913

 4.9110, 0.5974,
0.4026

 148.9613, 0.4283,
0.3878

 2.1951, 0.6270,
0.3730

 185.3039, 0.4205,
0.3846

 0.7173, 0.6806,
0.3194

 227.1232, 0.4136,

 0.0000, 1.0000,

0.3817

0.0000

274.8039, 0.4075,
0.3791

■ 0.0000, 0.0000,
0.0000

■ 35.9473, 0.4912,
0.4075

■ 35.9473, 0.4912,
0.4075

■ 32.3271, 0.5189,
0.4078

■ 40.0960, 0.4617,
0.4024

■ 29.2004, 0.5427,
0.4026


■ 44.7933, 0.4323,
0.3936

■ 27.5730, 0.5550,
0.3976


■ 50.0647, 0.4045,
0.3825


■ 55.9321, 0.3791,
0.3703

■ 62.4158, 0.3564,
0.3577

 69.5352, 0.3365,
0.3454

 77.3086, 0.3192,
0.3336

 85.7536, 0.3042,
0.3226

 93.9620, 0.2987,
0.3259

Harmonies

Analogous

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



35.9473, 0.4919, 0.3410



35.9473, 0.4912, 0.4075



35.9473, 0.4390, 0.4708

Triad

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



35.9473, 0.4912, 0.4075



35.9473, 0.1990, 0.3740



35.9473, 0.2456, 0.1976

Complementary

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



35.9473, 0.4912, 0.4075



29.5917, 0.2017, 0.2144

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.



35.9473, 0.1856, 0.1916



35.9473, 0.4912, 0.4075



35.9473, 0.1613, 0.2755

Square

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



35.9473, 0.4912, 0.4075



35.9473, 0.2703, 0.4723



35.9473, 0.1579, 0.2150



35.9473, 0.3351, 0.2285

Rectangle

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



35.9473, 0.4912, 0.4075



35.9473, 0.3870, 0.5000



35.9473, 0.1579, 0.2150



35.9473, 0.2220, 0.1927

Sweetspot

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



35.9492, 0.4912, 0.4075



79.0435, 0.3522, 0.3552



22.7486, 0.4221, 0.2354



16.4241, 0.3580, 0.3586



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.



35.9492, 0.4912, 0.4075



37.9131, 0.5322, 0.4057



70.4809, 0.4157, 0.4835



15.4528, 0.3281, 0.3398



15.5514, 0.5523, 0.3997



1.3332, 0.5280, 0.4190

Inverse Universe

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



29.5917, 0.2017, 0.2144



29.5382, 0.1873, 0.1871



11.0019, 0.1732, 0.1028



15.1723, 0.2981, 0.3179



11.7008, 0.1811, 0.1720



1.0500, 0.1880, 0.1968

Previews

White Background



This preview shows how the Yxy color 35.9473, 0.4912, 0.4075 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 35.9473, 0.4912, 0.4075 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 35.9473, 0.4912, 0.4075

Background



This preview shows how black text looks on a background with the Yxy color 35.9473, 0.4912, 0.4075.



This preview shows how white text looks on a background with the Yxy color 35.9473, 0.4912, 0.4075.

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

35.9473, 0.4912, 0.4075

Protanopia

35.9492, 0.4134, 0.4537

Deuteranopia

36.0932, 0.4513, 0.4415



Tritanopia

35.9589, 0.4211, 0.3192

Trichromacy



Original Color

35.9473, 0.4912, 0.4075

Protanomaly

35.6235, 0.4422, 0.4372

Deuteranomaly

36.0864, 0.4665, 0.4292

Tritanomaly

35.8601, 0.4517, 0.3548

Monochromacy



Original Color

35.9473, 0.4912, 0.4075

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.8526, 0.3777, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9473, 0.4912, 0.4075 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(232, 139, 60)` looks like.

```
.text, #text, p{  
    color:rgb(232, 139, 60)  
}
```

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(232, 139, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 139, 60) }
```

Border

The CSS property to change the border of an element to Yxy 35.9473, 0.4912, 0.4075 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(232, 139, 60) }
```

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

```
.border{ border-color:rgb(232, 139, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 139, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 139, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 139, 60);  
box-shadow:4px 4px 4px 4px rgb(232, 139,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9473, 0.4912, 0.4075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 139, 60) }
```

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

```
.background{ background-color: rgb(232,  
139, 60) }
```

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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