

Converting Colors

$Y_{xy}(30.9292, 0.5360, 0.4029)$

Have a look what the booklet for
Yxy(30.9292, 0.5360, 0.4029)
contains.

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Color

Yxy(30.9218, 0.5354, 0.4036)

Conversions

Conversions Part 1

Format	Color
Hex	EB7718
RGB	235, 119, 24
RGB Percent	92%, 47%, 9%
CMY	0.0785, 0.5333, 0.9057
CMYK	0.00, 0.49, 0.90, 0.08
HSL	27°, 84%, 51%
HSV	27°, 90%, 92%
XYZ	41.0197, 30.9218, 4.6735
YIQ	142.8540, 99.6310, -4.9530

Conversions

Conversions Part 2

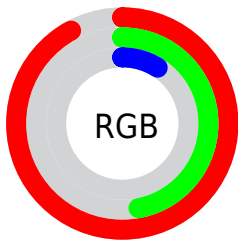
Format	Color
R _Y B	235, 197, 24
Decimal	15431448
CIE Lab	62.44, 39.74, 65.22
CIE LCh	62, 76.373, 58.644
Yxy	30.9218, 0.5354, 0.4036
Android (android.graphics.Color)	4293621528 (0xFFEB7718)
YUV	142.8540, -58.5950, 80.8120
Hunter-Lab	55.6074, 34.3604, 33.9421

Details

The Yxy color **30.9218, 0.5354, 0.4036** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **24.9555, 0.1878, 0.1893**, and the grayscale version is **27.6198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7412, 0.4645, 0.4168**, and **12.9049, 0.5701, 0.3856** is the 20% darker color. If you saturate the color by 10%, you get **27.9890, 0.5572, 0.3956**, and if you desaturate by 10%, it is **34.3546, 0.5092, 0.4066**.

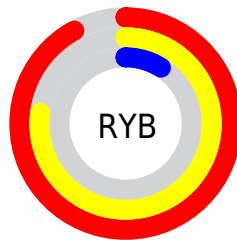
Distribution



Red (92%)

Green (47%)

Blue (9%)



Red (92%)

Yellow (77%)

Blue (9%)

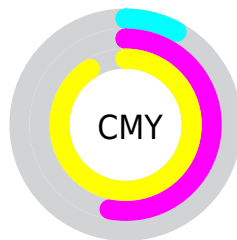


Cyan (0%)

Magenta (49%)

Yellow (90%)

Black (8%)



Cyan (8%)


Magenta (53%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9218, 0.5354, 0.4036 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 30.9218, 0.5354, 0.4036 by changing the saturation by 10% instead.

 30.9218, 0.5354,
0.4036


 30.9218, 0.5354,
0.4036


306.1779, 0.4252,
0.3813


 20.5393, 0.5586,
0.4022


 61.1169, 0.4978,
0.4004

 12.7877, 0.5857,
0.3971


 81.6984, 0.4828,
0.3977


 7.2825, 0.6158,
0.3842


 106.4482, 0.4698,
0.3947

 3.6394, 0.6443,
0.3557

 135.7509, 0.4584,
0.3918

 1.4740, 0.6882,
0.3118

 169.9908, 0.4485,
0.3889


 0.2703, 0.8266,
0.1734


 209.5524, 0.4398,


 0.0000, 1.0000,


0.3862


0.0000

 254.8199, 0.4321,
0.3836

 0.0000, 0.0000,
0.0000


 30.9218, 0.5354,
0.4036


 30.9218, 0.5354,
0.4036


 27.9890, 0.5572,
0.3956


 34.3546, 0.5092,
0.4066

 27.9246, 0.5577,
0.3954

 38.3220, 0.4800,
0.4043

 42.8548, 0.4499,
0.3976

 47.9794, 0.4207,
0.3879

 53.7199, 0.3936,
0.3764

60.0989, 0.3691,
0.3642

67.1376, 0.3475,
0.3519

74.8559, 0.3287,
0.3400

83.2731, 0.3124,
0.3287

Harmonies

Analogous

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



30.9218, 0.5348, 0.3271



30.9218, 0.5354, 0.4036



30.9218, 0.4698, 0.4865

Triad

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



30.9218, 0.5354, 0.4036



30.9218, 0.1773, 0.4021



30.9218, 0.2180, 0.1685

Complementary

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



30.9218, 0.5354, 0.4036



24.9555, 0.1878, 0.1893

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.



30.9218, 0.1532, 0.1638



30.9218, 0.5354, 0.4036



30.9218, 0.1315, 0.2685

Square

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



30.9218, 0.5354, 0.4036



30.9218, 0.2654, 0.5310



30.9218, 0.1256, 0.1923



30.9218, 0.3245, 0.2011

Rectangle

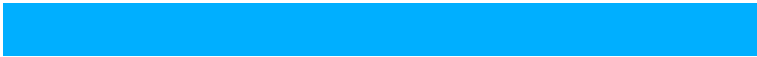
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.9218, 0.5354, 0.4036



30.9218, 0.4062, 0.5352



30.9218, 0.1256, 0.1923



30.9218, 0.1917, 0.1637

Sweetspot

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



30.9235, 0.5354, 0.4036



74.5128, 0.3631, 0.3609



20.2107, 0.4562, 0.2345



15.3508, 0.3709, 0.3652



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.



30.9235, 0.5354, 0.4036



33.4763, 0.5584, 0.3948



71.2732, 0.4254, 0.4954



16.1708, 0.3282, 0.3396



15.7906, 0.5550, 0.3975



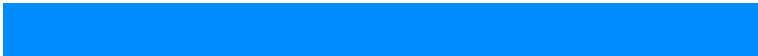
1.4296, 0.5316, 0.4161

Inverse Universe

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



24.9555, 0.1878, 0.1893



26.0342, 0.1810, 0.1716



7.3710, 0.1557, 0.0719



15.9219, 0.2981, 0.3181



12.3648, 0.1819, 0.1750



1.1627, 0.1884, 0.1981

Previews

White Background



This preview shows how the Yxy color 30.9218, 0.5354, 0.4036 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 30.9218, 0.5354, 0.4036 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 30.9218, 0.5354, 0.4036

Background



This preview shows how black text looks on a background with the Yxy color 30.9218, 0.5354, 0.4036.



This preview shows how white text looks on a background with the Yxy color 30.9218, 0.5354, 0.4036.

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

30.9218, 0.5354, 0.4036

Protanopia

31.1123, 0.4310, 0.4775

Deuteranopia

31.0229, 0.4709, 0.4643



Tritanopia

31.0515, 0.4611, 0.3209

Trichromacy



Original Color

30.9218, 0.5354, 0.4036

Protanomaly

30.3192, 0.4714, 0.4486

Deuteranomaly

30.6131, 0.4963, 0.4410

Tritanomaly

30.8519, 0.4997, 0.3595

Monochromacy



Original Color

30.9218, 0.5354, 0.4036

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.2004, 0.4006, 0.3792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9218, 0.5354, 0.4036 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(235, 119, 24)` looks like.

```
.text, #text, p{  
    color:rgb(235, 119, 24)  
}
```

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(235, 119, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 119, 24) }
```

Border

The CSS property to change the border of an element to Yxy 30.9218, 0.5354, 0.4036 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(235, 119, 24) }
```

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

```
.border{ border-color:rgb(235, 119, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 119, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 119, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 119, 24);  
box-shadow:4px 4px 4px 4px rgb(235, 119,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9218, 0.5354, 0.4036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 119, 24) }
```

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

```
.background{ background-color: rgb(235,  
119, 24) }
```

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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