

Converting Colors

$Y_{xy}(32.9918, 0.5592, 0.3913)$

Have a look what the booklet for
Yxy(32.9918, 0.5592, 0.3913)
contains.

Yxy(33.0922, 0.5587, 0.3917)	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(33.0922, 0.5587, 0.3917)

Conversions

Conversions Part 1

Format	Color
Hex	FF710A
RGB	255, 113, 10
RGB Percent	100%, 44%, 4%
CMY	0.0000, 0.5568, 0.9603
CMYK	0.00, 0.56, 0.96, 0.00
HSL	25°, 100%, 52%
HSV	25°, 96%, 100%
XYZ	47.2010, 33.0922, 4.1904
YIQ	143.7160, 117.6950, -1.9290

Conversions

Conversions Part 2

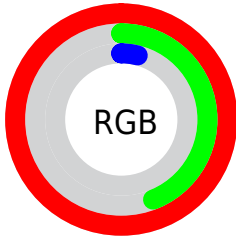
Format	Color
R _Y B	255, 188, 10
Decimal	16740618
CIE Lab	64.24, 50.11, 70.81
CIE LCh	64, 86.748, 54.716
Yxy	33.0922, 0.5587, 0.3917
Android (android.graphics.Color)	4294930698 (0xFFFF710A)
YUV	143.7160, -65.9220, 97.5961
Hunter-Lab	57.5258, 45.7922, 35.9492

Details

The Yxy color **33.0922, 0.5587, 0.3917** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **29.7825, 0.1862, 0.1885**, and the grayscale version is **28.0117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7597, 0.4732, 0.4169**, and **14.0751, 0.5939, 0.3666** is the 20% darker color. If you saturate the color by 10%, you get **31.8028, 0.5672, 0.3878**, and if you desaturate by 10%, it is **36.7696, 0.5344, 0.3990**.

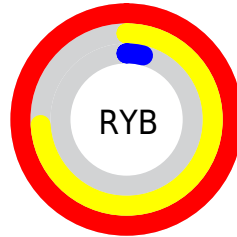
Distribution



Red (100%)

Green (44%)

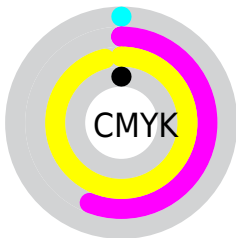
Blue (4%)



Red (100%)

Yellow (74%)

Blue (4%)

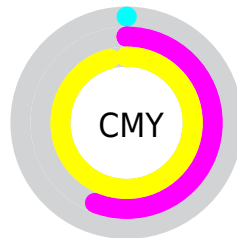


Cyan (0%)

Magenta (56%)

Yellow (96%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0922, 0.5587, 0.3917 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 33.0922, 0.5587, 0.3917 by changing the saturation by 10% instead.

 33.0922, 0.5587,
0.3917


 33.0922, 0.5587,
0.3917


316.0650, 0.4399,
0.3796

 22.1971, 0.5826,
0.3872


 64.5194, 0.5191,
0.3929


 14.0018, 0.6110,
0.3786


 85.8204, 0.5030,
0.3917

 8.1219, 0.6396,
0.3604


 111.3587, 0.4889,
0.3899

 4.1731, 0.6705,
0.3295

 141.5188, 0.4765,
0.3879

 1.7708, 0.7161,
0.2839

 176.6851, 0.4657,
0.3858

 0.4689, 0.8077,
0.1923

 217.2419, 0.4561,

 0.0000, 1.0000,

0.3837

0.0000


 263.5738, 0.4475,
0.3816


 0.0000, 0.0000,
0.0000


 33.0922, 0.5587,
0.3917

 33.0922, 0.5587,
0.3917


 31.8028, 0.5672,
0.3878

 36.7696, 0.5344,
0.3990

 41.1175, 0.5053,
0.4008

 46.1805, 0.4739,
0.3974

 51.9965, 0.4424,
0.3902

 58.5998, 0.4127,
0.3805

66.0224, 0.3855,
0.3693

74.2939, 0.3615,
0.3577

83.4424, 0.3405,
0.3463

93.4946, 0.3224,
0.3353

Harmonies

Analogous

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



33.0922, 0.5504, 0.3128



33.0922, 0.5587, 0.3917



33.0922, 0.4904, 0.4818

Triad

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



33.0922, 0.5587, 0.3917



33.0922, 0.1736, 0.4325



33.0922, 0.1975, 0.1540

Complementary

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



33.0922, 0.5587, 0.3917



29.7825, 0.1862, 0.1885

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.



33.0922, 0.1352, 0.1526



33.0922, 0.5587, 0.3917



33.0922, 0.1206, 0.2757

Square

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



33.0922, 0.5587, 0.3917



33.0922, 0.2715, 0.5680



33.0922, 0.1109, 0.1867



33.0922, 0.3070, 0.1847

Rectangle

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



33.0922, 0.5587, 0.3917



33.0922, 0.4225, 0.5416



33.0922, 0.1109, 0.1867



33.0922, 0.1718, 0.1502

Sweetspot

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



33.0939, 0.5587, 0.3917



71.7443, 0.3683, 0.3612



23.7789, 0.4568, 0.2306



14.6019, 0.3786, 0.3661



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.



33.0939, 0.5587, 0.3917



31.8028, 0.5672, 0.3878



80.4668, 0.4337, 0.4923



19.2412, 0.3284, 0.3390



16.8973, 0.5643, 0.3901



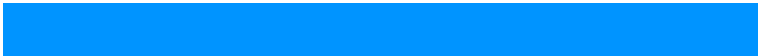
1.8556, 0.5440, 0.4062

Inverse Universe

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



29.7825, 0.1862, 0.1885



28.3586, 0.1840, 0.1823



8.2414, 0.1528, 0.0675



19.1276, 0.2979, 0.3188



15.1200, 0.1847, 0.1849



1.6884, 0.1897, 0.2029

Previews

White Background



This preview shows how the Yxy color 33.0922, 0.5587, 0.3917 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 33.0922, 0.5587, 0.3917 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 33.0922, 0.5587, 0.3917

Background



This preview shows how black text looks on a background with the Yxy color 33.0922, 0.5587, 0.3917.



This preview shows how white text looks on a background with the Yxy color 33.0922, 0.5587, 0.3917.

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

33.0922, 0.5587, 0.3917

Protanopia

33.4186, 0.4344, 0.4815

Deuteranopia

33.0501, 0.4716, 0.4637



Tritanopia

33.2000, 0.4840, 0.3237

Trichromacy



Original Color

33.0922, 0.5587, 0.3917

Protanomaly

32.0794, 0.4842, 0.4460

Deuteranomaly

32.2421, 0.5067, 0.4345

Tritanomaly

32.9337, 0.5247, 0.3591

Monochromacy



Original Color

33.0922, 0.5587, 0.3917

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.7916, 0.4162, 0.3828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0922, 0.5587, 0.3917 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(255, 113, 10)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 10)  
}
```

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(255, 113, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 10) }
```

Border

The CSS property to change the border of an element to Yxy 33.0922, 0.5587, 0.3917 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(255, 113, 10) }
```

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

```
.border{ border-color:rgb(255, 113, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 113, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 10);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0922, 0.5587, 0.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 113, 10) }
```

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

```
.background{ background-color: rgb(255,  
113, 10) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor