

Converting Colors

Yxy(39.5564, 0.5449, 0.3999)

Have a look what the booklet for
Yxy(39.5564, 0.5449, 0.3999)
contains.

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Color

Yxy(37.2758, 0.5371, 0.4057)

Conversions

Conversions Part 1

Format	Color
Hex	FF8214
RGB	255, 130, 20
RGB Percent	100%, 51%, 8%
CMY	0.0000, 0.4902, 0.9216
CMYK	0.00, 0.49, 0.92, 0.00
HSL	28°, 100%, 54%
HSV	28°, 92%, 100%
XYZ	49.3489, 37.2758, 5.2555
YIQ	154.8350, 109.8100, -7.7100

Conversions

Conversions Part 2

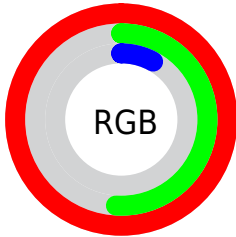
Format	Color
R _Y B	255, 227, 20
Decimal	16744980
CIE Lab	67.48, 42.03, 71.12
CIE LCh	67, 82.606, 59.420
Yxy	37.2758, 0.5371, 0.4057
Android (android.graphics.Color)	4294935060 (0xFFFF8214)
YUV	154.8350, -66.4737, 87.8447
Hunter-Lab	61.0539, 37.4342, 37.6340

Details

The Yxy color **37.2758, 0.5371, 0.4057** 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 **27.6168, 0.1842, 0.1787**, and the grayscale version is **32.9665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1351, 0.4554, 0.4270**, and **16.5251, 0.5677, 0.3875** is the 20% darker color. If you saturate the color by 10%, you get **34.5418, 0.5531, 0.3990**, and if you desaturate by 10%, it is **41.2701, 0.5128, 0.4099**.

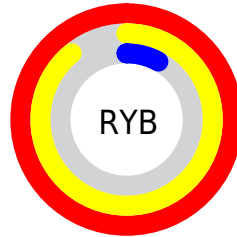
Distribution



Red (100%)

Green (51%)

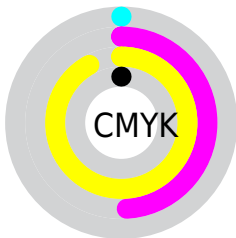
Blue (8%)



Red (100%)

Yellow (89%)

Blue (8%)

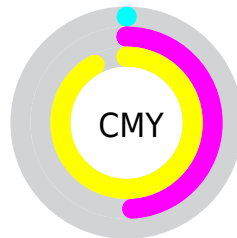


Cyan (0%)

Magenta (49%)

Yellow (92%)

Black (0%)



Cyan (0%)


Magenta (49%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2758, 0.5371, 0.4057 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 37.2758, 0.5371, 0.4057 by changing the saturation by 10% instead.


 37.2758, 0.5371,
0.4057


 37.2758, 0.5371,
0.4057


334.5030, 0.4304,
0.3843


 25.4211, 0.5585,
0.4043


 70.9968, 0.5017,
0.4029

 16.3911, 0.5825,
0.3992


 93.6318, 0.4872,
0.4003


 9.8013, 0.6110,
0.3890


 120.6291, 0.4746,
0.3975

 5.2674, 0.6356,
0.3644

 152.3730, 0.4635,
0.3947

 2.4050, 0.6717,
0.3283

 189.2480, 0.4537,
0.3919

 0.8285, 0.7296,
0.2704

 231.6384, 0.4450,

 0.0000, 1.0000,

0.3892

0.0000

279.9286, 0.4373,
0.3867

0.0000, 0.0000,
0.0000

37.2758, 0.5371,
0.4057

37.2758, 0.5371,
0.4057

34.5418, 0.5531,
0.3990

41.2701, 0.5128,
0.4099

45.8741, 0.4850,
0.4086


51.1251, 0.4557,
0.4025


57.0540, 0.4267,
0.3930

63.6893, 0.3995,
0.3814

 71.0573, 0.3746,
0.3688

 79.1827, 0.3524,
0.3559

 88.0889, 0.3330,
0.3434

 97.7980, 0.3161,
0.3315

Harmonies

Analogous

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



37.2758, 0.5392, 0.3284



37.2758, 0.5371, 0.4057



37.2758, 0.4689, 0.4899

Triad

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



37.2758, 0.5371, 0.4057



37.2758, 0.1736, 0.3993



37.2758, 0.2189, 0.1671

Complementary

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



37.2758, 0.5371, 0.4057



27.6168, 0.1842, 0.1787

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.



37.2758, 0.1525, 0.1616



37.2758, 0.5371, 0.4057



37.2758, 0.1287, 0.2645

Square

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



37.2758, 0.5371, 0.4057



37.2758, 0.2615, 0.5326



37.2758, 0.1239, 0.1892



37.2758, 0.3278, 0.2008

Rectangle

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



37.2758, 0.5371, 0.4057



37.2758, 0.4040, 0.5393



37.2758, 0.1239, 0.1892



37.2758, 0.1920, 0.1620

Sweetspot

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



37.2778, 0.5371, 0.4057



74.3419, 0.3650, 0.3634



23.8148, 0.4686, 0.2393



15.1830, 0.3750, 0.3690



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.



37.2778, 0.5371, 0.4057



34.5421, 0.5531, 0.3990



87.9333, 0.4236, 0.4987



19.3890, 0.3283, 0.3402



18.3418, 0.5504, 0.4012



2.0022, 0.5316, 0.4161

Inverse Universe

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



27.6168, 0.1842, 0.1787



24.7240, 0.1793, 0.1654



8.1913, 0.1535, 0.0671



18.9776, 0.2979, 0.3176



13.2208, 0.1801, 0.1682



1.5061, 0.1855, 0.1878

Previews

White Background



This preview shows how the Yxy color 37.2758, 0.5371, 0.4057 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 37.2758, 0.5371, 0.4057 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 37.2758, 0.5371, 0.4057

Background



This preview shows how black text looks on a background with the Yxy color 37.2758, 0.5371, 0.4057.



This preview shows how white text looks on a background with the Yxy color 37.2758, 0.5371, 0.4057.

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

37.2758, 0.5371, 0.4057

Protanopia

37.4431, 0.4348, 0.4797

Deuteranopia

37.1868, 0.4722, 0.4633



Tritanopia

37.3412, 0.4527, 0.3213

Trichromacy



Original Color

37.2758, 0.5371, 0.4057

Protanomaly

36.3799, 0.4747, 0.4511

Deuteranomaly

36.8903, 0.4970, 0.4416

Tritanomaly

36.9370, 0.4965, 0.3625

Monochromacy



Original Color

37.2758, 0.5371, 0.4057

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.6747, 0.4035, 0.3836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2758, 0.5371, 0.4057 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, 130, 20)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 20)  
}
```

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, 130, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 20) }
```

Border

The CSS property to change the border of an element to Yxy 37.2758, 0.5371, 0.4057 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, 130, 20) }
```

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

```
.border{ border-color:rgb(255, 130, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 130, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 20);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2758, 0.5371, 0.4057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 20) }
```

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

```
.background{ background-color: rgb(255,  
130, 20) }
```

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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