

Converting Colors

$Y_{xy}(37.0215, 0.5385, 0.4051)$

Have a look what the booklet for
Yxy(37.0215, 0.5385, 0.4051)
contains.

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Color

Yxy(37.0075, 0.5385, 0.4050)

Conversions

Conversions Part 1

Format	Color
Hex	FF8113
RGB	255, 129, 19
RGB Percent	100%, 51%, 7%
CMY	0.0000, 0.4941, 0.9257
CMYK	0.00, 0.49, 0.93, 0.00
HSL	28°, 100%, 54%
HSV	28°, 93%, 100%
XYZ	49.2063, 37.0075, 5.1628
YIQ	154.1340, 110.4060, -7.4980

Conversions

Conversions Part 2

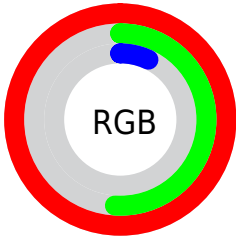
Format	Color
RYB	255, 225, 19
Decimal	16744723
CIELab	67.28, 42.50, 71.20
CIELCh	67, 82.923, 59.165
Yxy	37.0075, 0.5385, 0.4050
Android (android.graphics.Color)	4294934803 (0xFFFF8113)
YUV	154.1340, -66.6211, 88.4595
Hunter-Lab	60.8338, 37.9231, 37.5519

Details

The Yxy color **37.0075, 0.5385, 0.4050** is a dark color, and the websafe version is hex **FF6600**. The color can be described as middle washed orange. A complement of this color would be **27.5845, 0.1841, 0.1786**, and the grayscale version is **32.6378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7062, 0.4568, 0.4268**, and **16.3841, 0.5691, 0.3863** is the 20% darker color. If you saturate the color by 10%, you get **34.4300, 0.5537, 0.3986**, and if you desaturate by 10%, it is **40.9755, 0.5143, 0.4095**.

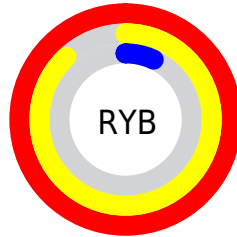
Distribution



Red (100%)

Green (51%)

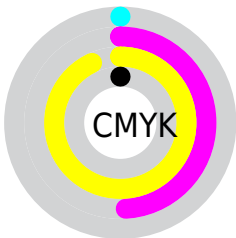
Blue (7%)



Red (100%)

Yellow (88%)

Blue (7%)

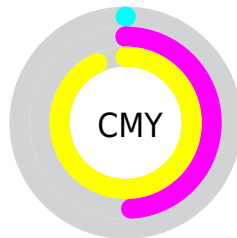


Cyan (0%)

Magenta (49%)

Yellow (93%)

Black (0%)



Cyan (0%)

Magenta (49%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0075, 0.5385, 0.4050 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 37.0075, 0.5385, 0.4050 by changing the saturation by 10% instead.

 37.0075, 0.5385,
0.4050


 37.0075, 0.5385,
0.4050


333.3430, 0.4310,
0.3841

 25.2133, 0.5600,
0.4034


 70.5843, 0.5028,
0.4024

 16.2360, 0.5842,
0.3981


 93.1357, 0.4883,
0.4000

 9.6913, 0.6127,
0.3873


 120.0417, 0.4756,
0.3972

 5.1948, 0.6376,
0.3624

 151.6865, 0.4644,
0.3944

 2.3620, 0.6743,
0.3257

 188.4547, 0.4545,
0.3917


 0.8062, 0.7333,
0.2667

 230.7305, 0.4458,

 0.0000, 1.0000,

0.3890


0.0000


 278.8985, 0.4380,
0.3865

 0.0000, 0.0000,
0.0000

 37.0075, 0.5385,
0.4050

 37.0075, 0.5385,
0.4050


 34.4300, 0.5537,
0.3986

 40.9755, 0.5143,
0.4095

 45.5547, 0.4865,
0.4084


 50.7825, 0.4572,
0.4026

 56.6902, 0.4281,
0.3932

 63.3066, 0.4006,
0.3817

 70.6581, 0.3756,
0.3692

 78.7698, 0.3533,
0.3564

 87.6652, 0.3337,
0.3438

 97.3666, 0.3167,
0.3319

Harmonies

Analogous

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



37.0075, 0.5402, 0.3275



37.0075, 0.5385, 0.4050



37.0075, 0.4701, 0.4897

Triad

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



37.0075, 0.5385, 0.4050



37.0075, 0.1733, 0.4010



37.0075, 0.2176, 0.1662

Complementary

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



37.0075, 0.5385, 0.4050



27.5845, 0.1841, 0.1786

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.



37.0075, 0.1514, 0.1609



37.0075, 0.5385, 0.4050



37.0075, 0.1281, 0.2649

Square

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



37.0075, 0.5385, 0.4050



37.0075, 0.2619, 0.5349



37.0075, 0.1230, 0.1888



37.0075, 0.3267, 0.1998

Rectangle

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



37.0075, 0.5385, 0.4050



37.0075, 0.4050, 0.5398



37.0075, 0.1230, 0.1888



37.0075, 0.1908, 0.1612

Sweetspot

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



37.0095, 0.5385, 0.4050



74.2749, 0.3651, 0.3633



23.8853, 0.4630, 0.2359



15.1671, 0.3750, 0.3688



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.



37.0095, 0.5385, 0.4050



34.4314, 0.5537, 0.3986



85.5223, 0.4265, 0.4965



19.3834, 0.3283, 0.3401



18.2835, 0.5509, 0.4007



1.9964, 0.5321, 0.4157

Inverse Universe

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



27.5845, 0.1841, 0.1786



24.8547, 0.1795, 0.1660



8.3240, 0.1537, 0.0680



18.9832, 0.2979, 0.3176



13.2891, 0.1802, 0.1688



1.5127, 0.1857, 0.1884

Previews

White Background



This preview shows how the Yxy color 37.0075, 0.5385, 0.4050 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 37.0075, 0.5385, 0.4050 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 37.0075, 0.5385, 0.4050

Background



This preview shows how black text looks on a background with the Yxy color 37.0075, 0.5385, 0.4050.



This preview shows how white text looks on a background with the Yxy color 37.0075, 0.5385, 0.4050.

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

37.0075, 0.5385, 0.4050

Protanopia

37.3183, 0.4338, 0.4805

Tritanopia

37.0376, 0.4556, 0.3224

Trichromacy



Original Color

37.0075, 0.5385, 0.4050

Protanomaly

36.2327, 0.4738, 0.4518

Tritanomaly

36.6654, 0.4983, 0.3624

Monochromacy



Original Color

37.0075, 0.5385, 0.4050

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.3471, 0.4052, 0.3836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0075, 0.5385, 0.4050 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, 129, 19)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 19)  
}
```

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, 129, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 19) }
```

Border

The CSS property to change the border of an element to Yxy 37.0075, 0.5385, 0.4050 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, 129, 19) }
```

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

```
.border{ border-color:rgb(255, 129, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 129, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 19);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
19) }
```

Background

The CSS property to change the background color of an element to Yxy 37.0075, 0.5385, 0.4050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 19) }
```

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

```
.background{ background-color: rgb(255,  
129, 19) }
```

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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