

Converting Colors

$Y_{xy}(37.1700, 0.5222, 0.4235)$

Have a look what the booklet for
Yxy(37.1700, 0.5222, 0.4235)
contains.

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Color

Yxy(37.0542, 0.5223, 0.4235)

Conversions

Conversions Part 1

Format	Color
Hex	F28A00
RGB	242, 138, 0
RGB Percent	95%, 54%, 0%
CMY	0.0511, 0.4587, 1.0000
CMYK	0.00, 0.43, 1.00, 0.05
HSL	34°, 100%, 47%
HSV	34°, 100%, 95%
XYZ	45.6987, 37.0542, 4.7422
YIQ	153.3640, 106.2820, -20.8700

Conversions

Conversions Part 2

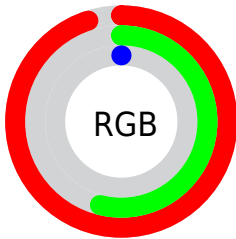
Format	Color
RYB	182, 242, 0
Decimal	15895040
CIELab	67.32, 32.58, 73.28
CIElCh	67, 80.198, 66.034
Yxy	37.0542, 0.5223, 0.4235
Android (android.graphics.Color)	4294085120 (0xFFFF28A00)
YUV	153.3640, -75.6085, 77.7338
Hunter-Lab	60.8722, 27.4795, 37.9915

Details

The Yxy color **37.0542, 0.5223, 0.4235** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **16.2983, 0.1701, 0.1322**, and the grayscale version is **32.3264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4537, 0.4526, 0.4388**, and **16.4001, 0.5445, 0.4059** is the 20% darker color. If you saturate the color by 10%, you get **37.0563, 0.5223, 0.4235**, and if you desaturate by 10%, it is **40.2505, 0.5055, 0.4290**.

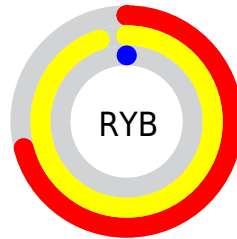
Distribution



Red (95%)

Green (54%)

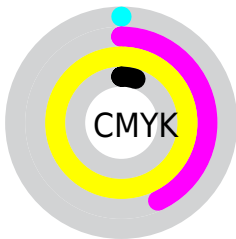
Blue (0%)



Red (71%)

Yellow (95%)

Blue (0%)

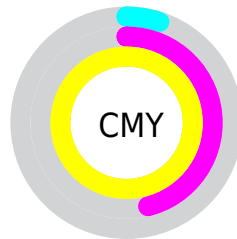


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0542, 0.5223, 0.4235 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 37.0542, 0.5223, 0.4235 by changing the saturation by 10% instead.


 37.0542, 0.5223,
0.4235


 37.0542, 0.5223,
0.4235


333.5451, 0.4239,
0.3924


 25.2495, 0.5414,
0.4243


 70.6561, 0.4901,
0.4172


 16.2630, 0.5628,
0.4222


 93.2221, 0.4768,
0.4133


 9.7105, 0.5859,
0.4141


 120.1440, 0.4651,
0.4094

 5.2074, 0.6063,
0.3937

 151.8061, 0.4548,
0.4056

 2.3695, 0.6370,
0.3630

 188.5929, 0.4457,
0.4019


 0.8101, 0.6887,
0.3113

 230.8887, 0.4376,


 0.0000, 1.0000,


0.3985

0.0000


 279.0780, 0.4304,
0.3954


 0.0000, 0.0000,
0.0000


 37.0542, 0.5223,
0.4235


 37.0542, 0.5223,
0.4235

 37.0563, 0.5223,
0.4235

 40.2505, 0.5055,
0.4290

 43.8211, 0.4853,
0.4295

 47.8013, 0.4623,
0.4247

 52.2136, 0.4377,
0.4156

 57.0779, 0.4130,
0.4032

■ 62.4123, 0.3893,
0.3888

■ 68.2332, 0.3671,
0.3736

■ 74.5564, 0.3469,
0.3582

■ 81.3964, 0.3288,
0.3432

Harmonies

Analogous

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



37.0542, 0.5405, 0.3456



37.0542, 0.5223, 0.4235



37.0542, 0.4468, 0.5048

Triad

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



37.0542, 0.5223, 0.4235



37.0542, 0.1633, 0.3650



37.0542, 0.2412, 0.1753

Complementary

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



37.0542, 0.5223, 0.4235



16.2983, 0.1701, 0.1322

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.



37.0542, 0.1666, 0.1635



37.0542, 0.5223, 0.4235



37.0542, 0.1283, 0.2454

Square

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



37.0542, 0.5223, 0.4235



37.0542, 0.2417, 0.5044



37.0542, 0.1308, 0.1830



37.0542, 0.3553, 0.2142

Rectangle

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



37.0542, 0.5223, 0.4235



37.0542, 0.3807, 0.5458



37.0542, 0.1308, 0.1830



37.0542, 0.2116, 0.1682

Sweetspot

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



37.0563, 0.5223, 0.4235



76.8102, 0.3673, 0.3737



19.8888, 0.5281, 0.2683



15.8330, 0.3764, 0.3802



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.



37.0563, 0.5223, 0.4235



41.6513, 0.5226, 0.4232



79.6288, 0.4075, 0.5146



17.2557, 0.3279, 0.3425



20.1893, 0.5201, 0.4252



1.8767, 0.5032, 0.4386

Inverse Universe

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



16.2983, 0.1701, 0.1322



18.2731, 0.1699, 0.1317



6.5203, 0.1516, 0.0609



16.3454, 0.2980, 0.3152



9.0171, 0.1709, 0.1352



0.9439, 0.1780, 0.1608

Previews

White Background



This preview shows how the Yxy color 37.0542, 0.5223, 0.4235 looks on a white background.

Color Contrast Check

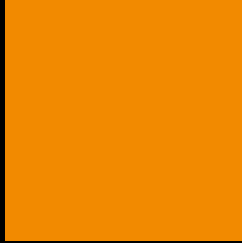
Large Text (above 18pt) WCAG AA × Fail

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 37.0542, 0.5223, 0.4235 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 37.0542, 0.5223, 0.4235

Background



This preview shows how black text looks on a background with the Yxy color 37.0542, 0.5223, 0.4235.



This preview shows how white text looks on a background with the Yxy color 37.0542, 0.5223, 0.4235.

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

37.0542, 0.5223, 0.4235

Protanopia

37.2716, 0.4367, 0.4847

Deuteranopia

37.1868, 0.4722, 0.4633



Tritanopia

37.0475, 0.4359, 0.3187

Trichromacy



Original Color

37.0542, 0.5223, 0.4235

Protanomaly

36.5910, 0.4697, 0.4615

Deuteranomaly

36.7105, 0.4914, 0.4480

Tritanomaly

36.6196, 0.4860, 0.3734

Monochromacy



Original Color

37.0542, 0.5223, 0.4235

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.3572, 0.4047, 0.3998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0542, 0.5223, 0.4235 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(242, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 138, 0)  
}
```

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(242, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 138, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.0542, 0.5223, 0.4235 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(242, 138, 0) }
```

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

```
.border{ border-color:rgb(242, 138, 0) }
```

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

Here you see how a box with a 4 pixel rgb(242, 138, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 138,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0542, 0.5223, 0.4235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 138, 0) }
```

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

```
.background{ background-color: rgb(242,  
138, 0) }
```

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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