

Converting Colors

$Y_{xy}(36.7735, 0.5201, 0.4252)$

Have a look what the booklet for
Yxy(36.7735, 0.5201, 0.4252)
contains.

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Color

Yxy(36.7022, 0.5209, 0.4246)

Conversions

Conversions Part 1

Format	Color
Hex	F08A00
RGB	240, 138, 0
RGB Percent	94%, 54%, 0%
CMY	0.0588, 0.4588, 1.0000
CMYK	0.00, 0.43, 1.00, 0.06
HSL	34°, 100%, 47%
HSV	34°, 100%, 94%
XYZ	45.0263, 36.7022, 4.7110
YIQ	152.7660, 105.0900, -21.2940

Conversions

Conversions Part 2

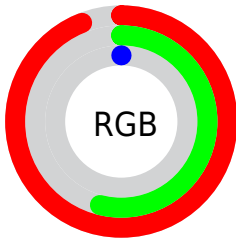
Format	Color
R_{YB}	177, 240, 0
Decimal	15763968
CIE Lab	67.05, 31.79, 72.98
CIE LCh	67, 79.604, 66.465
Yxy	36.7022, 0.5209, 0.4246
Android (android.graphics.Color)	4293954048 (0xFFFF08A00)
YUV	152.7660, -75.3136, 76.5042
Hunter-Lab	60.5823, 26.6466, 37.7972

Details

The Yxy color **36.7022, 0.5209, 0.4246** 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 **15.7977, 0.1697, 0.1309**, and the grayscale version is **32.0491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4537, 0.4526, 0.4388**, and **16.1635, 0.5427, 0.4073** is the 20% darker color. If you saturate the color by 10%, you get **36.7034, 0.5209, 0.4246**, and if you desaturate by 10%, it is **39.8362, 0.5043, 0.4300**.

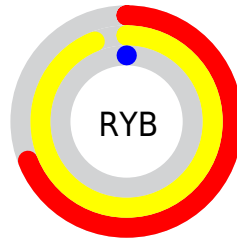
Distribution



Red (94%)

Green (54%)

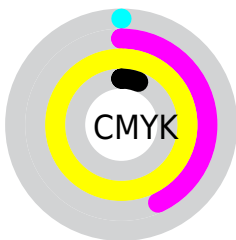
Blue (0%)



Red (69%)

Yellow (94%)

Blue (0%)

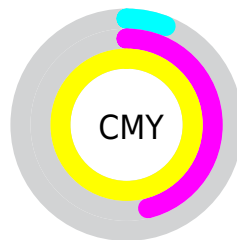


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (6%)



Cyan (6%)

Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7022, 0.5209, 0.4246 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 36.7022, 0.5209, 0.4246 by changing the saturation by 10% instead.


 36.7022, 0.5209,
0.4246


 36.7022, 0.5209,
0.4246

332.0194, 0.4230,
0.3927


 24.9770, 0.5399,
0.4257


 70.1145, 0.4889,
0.4180


 16.0599, 0.5612,
0.4237


 92.5704, 0.4756,
0.4140

 9.5666, 0.5841,
0.4159


 119.3721, 0.4640,
0.4100

 5.1125, 0.6043,
0.3957

 150.9038, 0.4538,
0.4061

 2.3134, 0.6349,
0.3651

 187.5500, 0.4447,
0.4024

 0.7808, 0.6872,
0.3128

 229.6950, 0.4366,


 0.0000, 1.0000,


0.3989


0.0000

 277.7234, 0.4295,
0.3957


 0.0000, 0.0000,
0.0000

 36.7022, 0.5209,
0.4246

 36.7022, 0.5209,
0.4246

 36.7034, 0.5209,
0.4246

 39.8362, 0.5043,
0.4300

 43.3319, 0.4843,
0.4303

 47.2239, 0.4615,
0.4255

 51.5340, 0.4371,
0.4162

 56.2814, 0.4126,
0.4037

■ 61.4835, 0.3890,
0.3893

■ 67.1565, 0.3670,
0.3739

■ 73.3154, 0.3468,
0.3584

■ 79.9743, 0.3288,
0.3433

Harmonies

Analogous

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



36.7022, 0.5399, 0.3468



36.7022, 0.5209, 0.4246



36.7022, 0.4452, 0.5054

Triad

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



36.7022, 0.5209, 0.4246



36.7022, 0.1631, 0.3629



36.7022, 0.2429, 0.1761

Complementary

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



36.7022, 0.5209, 0.4246



15.7977, 0.1697, 0.1309

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.



36.7022, 0.1679, 0.1640



36.7022, 0.5209, 0.4246



36.7022, 0.1287, 0.2445

Square

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



36.7022, 0.5209, 0.4246



36.7022, 0.2407, 0.5019



36.7022, 0.1316, 0.1830



36.7022, 0.3570, 0.2153

Rectangle

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



36.7022, 0.5209, 0.4246



36.7022, 0.3791, 0.5456



36.7022, 0.1316, 0.1830



36.7022, 0.2132, 0.1689

Sweetspot

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



36.7042, 0.5209, 0.4246



76.9951, 0.3672, 0.3741



19.5268, 0.5279, 0.2682



15.8769, 0.3763, 0.3806



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.



36.7042, 0.5209, 0.4246



42.0085, 0.5213, 0.4243



78.1748, 0.4075, 0.5146



17.2681, 0.3279, 0.3426



20.3595, 0.5188, 0.4263



1.8905, 0.5021, 0.4395

Inverse Universe

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



15.7977, 0.1697, 0.1309



18.0261, 0.1695, 0.1303



6.4022, 0.1516, 0.0609



16.3332, 0.2980, 0.3151



8.8978, 0.1705, 0.1338



0.9334, 0.1776, 0.1595

Previews

White Background



This preview shows how the Yxy color 36.7022, 0.5209, 0.4246 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 36.7022, 0.5209, 0.4246 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 36.7022, 0.5209, 0.4246

Background



This preview shows how black text looks on a background with the Yxy color 36.7022, 0.5209, 0.4246.



This preview shows how white text looks on a background with the Yxy color 36.7022, 0.5209, 0.4246.

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

36.7022, 0.5209, 0.4246

Protanopia

36.9122, 0.4378, 0.4838

Tritanopia

36.6858, 0.4339, 0.3186

Trichromacy



Original Color

36.7022, 0.5209, 0.4246

Protanomaly

36.4484, 0.4688, 0.4623

Tritanomaly

36.2618, 0.4843, 0.3739

Monochromacy



Original Color

36.7022, 0.5209, 0.4246

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 36.7022, 0.5209, 0.4246 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(240, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 138, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.7022, 0.5209, 0.4246 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(240, 138, 0) }
```

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

```
.border{ border-color:rgb(240, 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(240, 138, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 138,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 36.7022, 0.5209, 0.4246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 138, 0) }
```

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

```
.background{ background-color: rgb(240,  
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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