

Converting Colors

$Y_{xy}(32.8017, 0.5390, 0.4100)$

Have a look what the booklet for
Yxy(32.8017, 0.5390, 0.4100)
contains.

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Color

Yxy(32.6934, 0.5392, 0.4098)

Conversions

Conversions Part 1

Format	Color
Hex	F07B01
RGB	240, 123, 1
RGB Percent	94%, 48%, 0%
CMY	0.0589, 0.5175, 0.9965
CMYK	0.00, 0.49, 1.00, 0.06
HSL	31°, 99%, 47%
HSV	31°, 100%, 94%
XYZ	43.0168, 32.6934, 4.0687
YIQ	144.0750, 108.8940, -13.1380

Conversions

Conversions Part 2

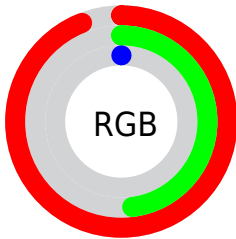
Format	Color
R _Y B	230, 240, 1
Decimal	15760129
CIE Lab	63.91, 39.44, 70.91
CIE LCh	64, 81.144, 60.919
Yxy	32.6934, 0.5392, 0.4098
Android (android.graphics.Color)	4293950209 (0xFFFF07B01)
YUV	144.0750, -70.5360, 84.1262
Hunter-Lab	57.1781, 34.2290, 35.8057

Details

The Yxy color **32.6934, 0.5392, 0.4098** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark saturated orange. A complement of this color would be **19.2157, 0.1756, 0.1521**, and the grayscale version is **28.1768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.1592, 0.4670, 0.4273**, and **13.8648, 0.5665, 0.3884** is the 20% darker color. If you saturate the color by 10%, you get **32.5846, 0.5399, 0.4095**, and if you desaturate by 10%, it is **35.8529, 0.5198, 0.4166**.

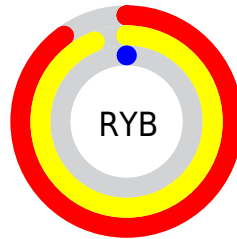
Distribution



Red (94%)

Green (48%)

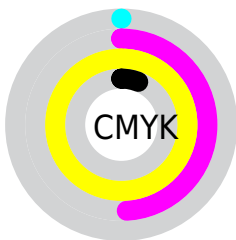
Blue (0%)



Red (90%)

Yellow (94%)

Blue (0%)

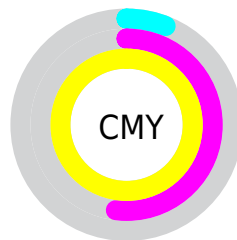


Cyan (0%)

Magenta (49%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6934, 0.5392, 0.4098 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 32.6934, 0.5392, 0.4098 by changing the saturation by 10% instead.

 32.6934, 0.5392,
0.4098

 32.6934, 0.5392,
0.4098


314.2659, 0.4301,
0.3866


 21.8917, 0.5609,
0.4081


 63.8966, 0.5030,
0.4068

 13.7773, 0.5870,
0.4032


 85.0668, 0.4881,
0.4040


 7.9660, 0.6116,
0.3884


 110.4619, 0.4752,
0.4010

 4.0732, 0.6384,
0.3616

 140.4665, 0.4638,
0.3979

 1.7146, 0.6791,
0.3209

 175.4647, 0.4538,
0.3949


 0.4331, 0.7753,
0.2247

 215.8411, 0.4450,

 0.0000, 1.0000,

0.3919

0.0000


 261.9801, 0.4371,
0.3892

 0.0000, 0.0000,
0.0000

 32.6934, 0.5392,
0.4098


 32.6934, 0.5392,
0.4098


 32.5846, 0.5399,
0.4095

 35.8529, 0.5198,
0.4166

 39.4550, 0.4965,
0.4183

 43.5368, 0.4703,
0.4146

 48.1240, 0.4431,
0.4065

 53.2395, 0.4162,
0.3954

■ 58.9042, 0.3908,
0.3824

■ 65.1376, 0.3676,
0.3686

■ 71.9579, 0.3467,
0.3547

■ 79.3823, 0.3283,
0.3413

Harmonies

Analogous

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



32.6934, 0.5466, 0.3311



32.6934, 0.5392, 0.4098



32.6934, 0.4663, 0.4962

Triad

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



32.6934, 0.5392, 0.4098



32.6934, 0.1669, 0.3930



32.6934, 0.2212, 0.1652

Complementary

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



32.6934, 0.5392, 0.4098



19.2157, 0.1756, 0.1521

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.



32.6934, 0.1519, 0.1580



32.6934, 0.5392, 0.4098



32.6934, 0.1241, 0.2571

Square

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



32.6934, 0.5392, 0.4098



32.6934, 0.2543, 0.5342



32.6934, 0.1212, 0.1837



32.6934, 0.3344, 0.2007

Rectangle

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



32.6934, 0.5392, 0.4098



32.6934, 0.3992, 0.5466



32.6934, 0.1212, 0.1837



32.6934, 0.1933, 0.1596

Sweetspot

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



32.6952, 0.5392, 0.4098



74.4193, 0.3686, 0.3693



19.9068, 0.4985, 0.2522



15.2665, 0.3782, 0.3751



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.



32.6952, 0.5392, 0.4098



37.2955, 0.5404, 0.4091



80.8275, 0.4193, 0.5052



17.0940, 0.3280, 0.3411



18.1091, 0.5375, 0.4114



1.7057, 0.5177, 0.4271

Inverse Universe

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



19.2157, 0.1756, 0.1521



21.8205, 0.1752, 0.1508



6.3150, 0.1501, 0.0602



16.5054, 0.2980, 0.3166



10.7243, 0.1762, 0.1542



1.0908, 0.1829, 0.1784

Previews

White Background



This preview shows how the Yxy color 32.6934, 0.5392, 0.4098 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 32.6934, 0.5392, 0.4098 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 32.6934, 0.5392, 0.4098

Background



This preview shows how black text looks on a background with the Yxy color 32.6934, 0.5392, 0.4098.



This preview shows how white text looks on a background with the Yxy color 32.6934, 0.5392, 0.4098.

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

32.6934, 0.5392, 0.4098

Protanopia

32.9450, 0.4358, 0.4834

Deuteranopia

32.6032, 0.4719, 0.4635



Tritanopia

32.6729, 0.4603, 0.3211

Trichromacy



Original Color

32.6934, 0.5392, 0.4098

Protanomaly

32.1203, 0.4762, 0.4552

Deuteranomaly

32.1740, 0.4984, 0.4425

Tritanomaly

32.3273, 0.5073, 0.3669

Monochromacy



Original Color

32.6934, 0.5392, 0.4098

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.9647, 0.4115, 0.3924

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6934, 0.5392, 0.4098 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, 123, 1)` looks like.

```
.text, #text, p{  
    color:rgb(240, 123, 1)  
}
```

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, 123, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 123, 1) }
```

Border

The CSS property to change the border of an element to Yxy 32.6934, 0.5392, 0.4098 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, 123, 1) }
```

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

```
.border{ border-color:rgb(240, 123, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 123, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 123, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 123, 1);  
box-shadow:4px 4px 4px 4px rgb(240, 123,  
1) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6934, 0.5392, 0.4098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 123, 1) }
```

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

```
.background{ background-color: rgb(240,  
123, 1) }
```

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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