

Converting Colors

$Yxy(36.6063, 0.5267, 0.4031)$

Have a look what the booklet for
Yxy(36.6063, 0.5267, 0.4031)
contains.

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Color

Yxy(36.6965, 0.5264, 0.4033)

Conversions

Conversions Part 1

Format	Color
Hex	FA8326
RGB	250, 131, 38
RGB Percent	98%, 51%, 15%
CMY	0.0195, 0.4863, 0.8508
CMYK	0.00, 0.48, 0.85, 0.02
HSL	26°, 96%, 56%
HSV	26°, 85%, 98%
XYZ	47.8974, 36.6965, 6.3966
YIQ	155.9790, 100.7770, -3.6950

Conversions

Conversions Part 2

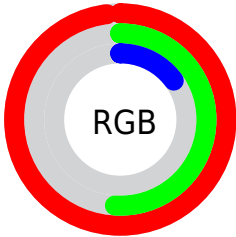
Format	Color
R _Y B	250, 204, 38
Decimal	16417574
CIE Lab	67.05, 39.92, 65.44
CIE LCh	67, 76.654, 58.615
Yxy	36.6965, 0.5264, 0.4033
Android (android.graphics.Color)	4294607654 (0xFFFA8326)
YUV	155.9790, -58.1636, 82.4564
Hunter-Lab	60.5776, 35.1253, 36.1437

Details

The Yxy color **36.6965, 0.5264, 0.4033** 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 **31.4598, 0.1925, 0.2010**, and the grayscale version is **33.4694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7482, 0.4472, 0.4190**, and **16.0311, 0.5627, 0.3914** is the 20% darker color. If you saturate the color by 10%, you get **33.0684, 0.5507, 0.3971**, and if you desaturate by 10%, it is **40.9478, 0.4978, 0.4040**.

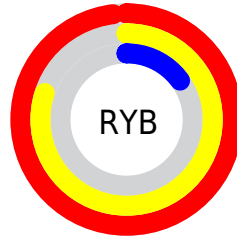
Distribution



Red (98%)

Green (51%)

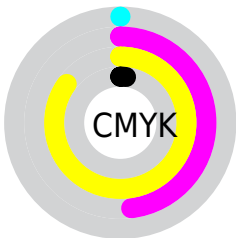
Blue (15%)



Red (98%)

Yellow (80%)

Blue (15%)

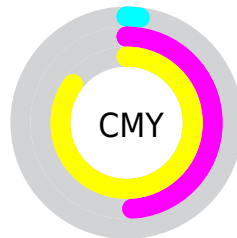


Cyan (0%)

Magenta (48%)

Yellow (85%)

Black (2%)



Cyan (2%)


Magenta (49%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6965, 0.5264, 0.4033 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 36.6965, 0.5264, 0.4033 by changing the saturation by 10% instead.

 36.6965, 0.5264,
0.4033

 36.6965, 0.5264,
0.4033


331.9947, 0.4227,
0.3803


 24.9726, 0.5482,
0.4031


 70.1058, 0.4912,
0.3992


 16.0566, 0.5730,
0.3996


 92.5599, 0.4771,
0.3964


 9.5642, 0.6063,
0.3937


 119.3596, 0.4649,
0.3934

 5.1110, 0.6304,
0.3696

 150.8891, 0.4542,
0.3905

 2.3125, 0.6660,
0.3340

 187.5331, 0.4448,
0.3877

 0.7803, 0.7247,
0.2753

 229.6757, 0.4366,

 0.0000, 1.0000,

0.3851

0.0000

277.7014, 0.4292,
0.3826

■ 0.0000, 0.0000,
0.0000

■ 36.6965, 0.5264,
0.4033

■ 36.6965, 0.5264,
0.4033

■ 33.0684, 0.5507,
0.3971

■ 40.9478, 0.4978,
0.4040

■ 31.3984, 0.5617,
0.3922


■ 45.8543, 0.4672,
0.3997

■ 51.4515, 0.4368,
0.3916

■ 57.7698, 0.4079,
0.3812

■ 64.8374, 0.3817,
0.3695

 72.6808, 0.3584,
0.3574

 81.3249, 0.3380,
0.3455

 90.7935, 0.3203,
0.3342

 99.0682, 0.3096,
0.3290

Harmonies

Analogous

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



36.6965, 0.5240, 0.3288



36.6965, 0.5264, 0.4033



36.6965, 0.4653, 0.4820

Triad

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



36.6965, 0.5264, 0.4033



36.6965, 0.1839, 0.3986



36.6965, 0.2222, 0.1745

Complementary

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



36.6965, 0.5264, 0.4033



31.4598, 0.1925, 0.2010

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.



36.6965, 0.1593, 0.1702



36.6965, 0.5264, 0.4033



36.6965, 0.1387, 0.2726

Square

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



36.6965, 0.5264, 0.4033



36.6965, 0.2692, 0.5189



36.6965, 0.1324, 0.1986



36.6965, 0.3243, 0.2062

Rectangle

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



36.6965, 0.5264, 0.4033



36.6965, 0.4048, 0.5267



36.6965, 0.1324, 0.1986



36.6965, 0.1968, 0.1698

Sweetspot

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



36.6985, 0.5264, 0.4033



75.8005, 0.3589, 0.3577



24.1924, 0.4404, 0.2301



15.5883, 0.3668, 0.3619



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.



36.6985, 0.5264, 0.4033



32.8049, 0.5619, 0.3921



80.3970, 0.4257, 0.4907



18.4774, 0.3283, 0.3394



16.9264, 0.5589, 0.3944



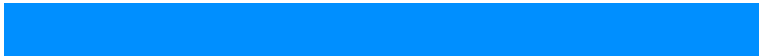
1.7747, 0.5382, 0.4108

Inverse Universe

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



31.4598, 0.1925, 0.2010



26.9241, 0.1822, 0.1758



9.7892, 0.1602, 0.0813



18.2603, 0.2980, 0.3183



13.9621, 0.1830, 0.1786



1.5042, 0.1884, 0.1981

Previews

White Background



This preview shows how the Yxy color 36.6965, 0.5264, 0.4033 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 36.6965, 0.5264, 0.4033 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 36.6965, 0.5264, 0.4033

Background



This preview shows how black text looks on a background with the Yxy color 36.6965, 0.5264, 0.4033.



This preview shows how white text looks on a background with the Yxy color 36.6965, 0.5264, 0.4033.

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

36.6965, 0.5264, 0.4033

Protanopia

36.9385, 0.4276, 0.4710

Deuteranopia

36.7783, 0.4678, 0.4572



Tritanopia

36.6286, 0.4541, 0.3203

Trichromacy



Original Color

36.6965, 0.5264, 0.4033

Protanomaly

36.0408, 0.4653, 0.4451

Deuteranomaly

36.3395, 0.4911, 0.4359

Tritanomaly

36.4129, 0.4896, 0.3566

Monochromacy



Original Color

36.6965, 0.5264, 0.4033

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.0068, 0.3945, 0.3758

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6965, 0.5264, 0.4033 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(250, 131, 38)` looks like.

```
.text, #text, p{  
    color:rgb(250, 131, 38)  
}
```

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(250, 131, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 131, 38) }
```

Border

The CSS property to change the border of an element to Yxy 36.6965, 0.5264, 0.4033 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(250, 131, 38) }
```

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

```
.border{ border-color:rgb(250, 131, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 131, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 131, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 131, 38);  
box-shadow:4px 4px 4px 4px rgb(250, 131,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6965, 0.5264, 0.4033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 131, 38) }
```

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

```
.background{ background-color: rgb(250,  
131, 38) }
```

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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