

Converting Colors

$Y_{xy}(37.2576, 0.5305, 0.4093)$

Have a look what the booklet for
Yxy(37.2576, 0.5305, 0.4093)
contains.

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Color

Yxy(37.3461, 0.5302, 0.4097)

Conversions

Conversions Part 1

Format	Color
Hex	FB8517
RGB	251, 133, 23
RGB Percent	98%, 52%, 9%
CMY	0.0156, 0.4784, 0.9093
CMYK	0.00, 0.47, 0.91, 0.02
HSL	29°, 97%, 54%
HSV	29°, 91%, 98%
XYZ	48.3302, 37.3461, 5.4784
YIQ	155.7420, 105.6380, -9.1940

Conversions

Conversions Part 2

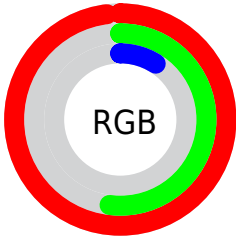
Format	Color
RYB	251, 236, 23
Decimal	16483607
CIELab	67.54, 39.01, 70.19
CIELCh	68, 80.307, 60.934
Yxy	37.3461, 0.5302, 0.4097
Android (android.graphics.Color)	4294673687 (0xFFFB8517)
YUV	155.7420, -65.4418, 83.5413
Hunter-Lab	61.1115, 34.2224, 37.4629

Details

The Yxy color **37.3461, 0.5302, 0.4097** 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 **26.2420, 0.1840, 0.1768**, and the grayscale version is **33.3938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4252, 0.4518, 0.4283**, and **16.4497, 0.5603, 0.3933** is the 20% darker color. If you saturate the color by 10%, you get **34.1907, 0.5488, 0.4024**, and if you desaturate by 10%, it is **41.2835, 0.5060, 0.4128**.

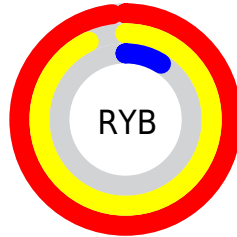
Distribution



Red (98%)

Green (52%)

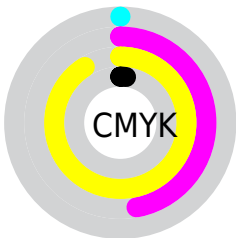
Blue (9%)



Red (98%)

Yellow (93%)

Blue (9%)

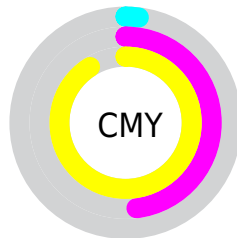


Cyan (0%)

Magenta (47%)

Yellow (91%)

Black (2%)



Cyan (2%)


Magenta (48%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3461, 0.5302, 0.4097 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 37.3461, 0.5302, 0.4097 by changing the saturation by 10% instead.


 37.3461, 0.5302,
0.4097


 37.3461, 0.5302,
0.4097


334.8065, 0.4266,
0.3853


 25.4756, 0.5511,
0.4093


 71.1048, 0.4957,
0.4056

 16.4317, 0.5744,
0.4053


 93.7617, 0.4817,
0.4026


 9.8302, 0.6030,
0.3970


 120.7829, 0.4694,
0.3995

 5.2865, 0.6262,
0.3738

 152.5527, 0.4587,
0.3964

 2.4163, 0.6606,
0.3394

 189.4556, 0.4492,
0.3934

 0.8343, 0.7164,
0.2836

 231.8760, 0.4408,

 0.0000, 1.0000,

0.3905

0.0000

280.1981, 0.4333,
0.3878

■ 0.0000, 0.0000,
0.0000

■ 37.3461, 0.5302,
0.4097

■ 37.3461, 0.5302,
0.4097

■ 34.1907, 0.5488,
0.4024

■ 41.2835, 0.5060,
0.4128


■ 45.7918, 0.4786,
0.4104


■ 50.9047, 0.4499,
0.4035


■ 56.6506, 0.4217,
0.3933

■ 63.0551, 0.3952,
0.3811

 70.1423, 0.3710,
0.3681

 77.9348, 0.3494,
0.3549

 86.4536, 0.3305,
0.3421

 95.7193, 0.3139,
0.3299

Harmonies

Analogous

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



37.3461, 0.5353, 0.3331



37.3461, 0.5302, 0.4097



37.3461, 0.4621, 0.4915

Triad

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



37.3461, 0.5302, 0.4097



37.3461, 0.1738, 0.3899



37.3461, 0.2256, 0.1714

Complementary

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



37.3461, 0.5302, 0.4097



26.2420, 0.1840, 0.1768

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.



37.3461, 0.1582, 0.1646



37.3461, 0.5302, 0.4097



37.3461, 0.1315, 0.2617

Square

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



37.3461, 0.5302, 0.4097



37.3461, 0.2586, 0.5214



37.3461, 0.1282, 0.1902



37.3461, 0.3339, 0.2059

Rectangle

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



37.3461, 0.5302, 0.4097



37.3461, 0.3982, 0.5374



37.3461, 0.1282, 0.1902



37.3461, 0.1985, 0.1660

Sweetspot

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



37.3481, 0.5302, 0.4097



75.6544, 0.3626, 0.3631



23.1635, 0.4654, 0.2386



15.6184, 0.3702, 0.3676



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.



37.3481, 0.5302, 0.4097



35.4114, 0.5489, 0.4023



84.9242, 0.4231, 0.4982



18.6062, 0.3282, 0.3405



18.2587, 0.5462, 0.4045



1.9022, 0.5271, 0.4197

Inverse Universe

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



26.2420, 0.1840, 0.1768



23.7384, 0.1779, 0.1606



8.1152, 0.1544, 0.0686



18.1301, 0.2980, 0.3173



12.3448, 0.1788, 0.1635



1.3557, 0.1846, 0.1846

Previews

White Background



This preview shows how the Yxy color 37.3461, 0.5302, 0.4097 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 37.3461, 0.5302, 0.4097 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 37.3461, 0.5302, 0.4097

Background



This preview shows how black text looks on a background with the Yxy color 37.3461, 0.5302, 0.4097.



This preview shows how white text looks on a background with the Yxy color 37.3461, 0.5302, 0.4097.

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

37.3461, 0.5302, 0.4097

Protanopia

37.4537, 0.4342, 0.4788

Deuteranopia

37.1868, 0.4722, 0.4633



Tritanopia

37.3688, 0.4515, 0.3203

Trichromacy



Original Color

37.3461, 0.5302, 0.4097

Protanomaly

36.5728, 0.4717, 0.4517

Deuteranomaly

37.0446, 0.4948, 0.4430

Tritanomaly

37.0399, 0.4929, 0.3620

Monochromacy



Original Color

37.3461, 0.5302, 0.4097

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.3389, 0.4002, 0.3836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3461, 0.5302, 0.4097 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(251, 133, 23)` looks like.

```
.text, #text, p{  
    color:rgb(251, 133, 23)  
}
```

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(251, 133, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 133, 23) }
```

Border

The CSS property to change the border of an element to Yxy 37.3461, 0.5302, 0.4097 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(251, 133, 23) }
```

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

```
.border{ border-color:rgb(251, 133, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 133, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 133, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 133, 23);  
box-shadow:4px 4px 4px 4px rgb(251, 133,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3461, 0.5302, 0.4097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 133, 23) }
```

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

```
.background{ background-color: rgb(251,  
133, 23) }
```

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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