

Converting Colors

$Y_{xy}(33.0227, 0.5400, 0.3920)$

Have a look what the booklet for
Yxy(33.0227, 0.5400, 0.3920)
contains.

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Color

Yxy(33.0469, 0.5400, 0.3920)

Conversions

Conversions Part 1

Format	Color
Hex	F87625
RGB	248, 118, 37
RGB Percent	97%, 46%, 15%
CMY	0.0275, 0.5372, 0.8547
CMYK	0.00, 0.52, 0.85, 0.03
HSL	23°, 94%, 56%
HSV	23°, 85%, 97%
XYZ	45.5238, 33.0469, 5.7326
YIQ	147.6360, 103.4810, 2.3690

Conversions

Conversions Part 2

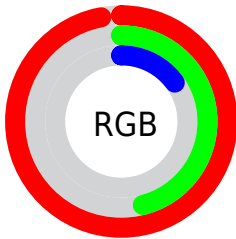
Format	Color
R _Y B	248, 168, 37
Decimal	16283173
CIE Lab	64.20, 45.52, 63.31
CIE LCh	64, 77.979, 54.286
Yxy	33.0469, 0.5400, 0.3920
Android (android.graphics.Color)	4294473253 (0xFFFF87625)
YUV	147.6360, -54.5435, 88.0192
Hunter-Lab	57.4864, 40.7538, 34.3280

Details

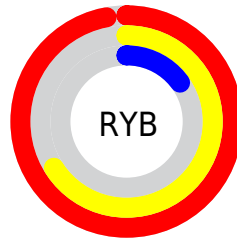
The Yxy color **33.0469, 0.5400, 0.3920** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **34.8192, 0.1968, 0.2173**, and the grayscale version is **29.6572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5032, 0.4594, 0.4091**, and **13.9709, 0.5824, 0.3757** is the 20% darker color. If you saturate the color by 10%, you get **29.6295, 0.5662, 0.3848**, and if you desaturate by 10%, it is **37.1566, 0.5089, 0.3939**.

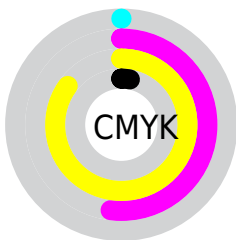
Distribution



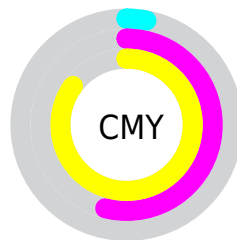
- Red (97%)
- Green (46%)
- Blue (15%)



- Red (97%)
- Yellow (66%)
- Blue (15%)



- Cyan (0%)
- Magenta (52%)
- Yellow (85%)
- Black (3%)





- Cyan (3%)
- Magenta (54%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0469, 0.5400, 0.3920 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 33.0469, 0.5400, 0.3920 by changing the saturation by 10% instead.


 33.0469, 0.5400,
0.3920


 33.0469, 0.5400,
0.3920


315.8610, 0.4274,
0.3754

 22.1624, 0.5641,
0.3898


 64.4487, 0.5014,
0.3905


 13.9763, 0.5918,
0.3834


 85.7349, 0.4860,
0.3886

 8.1042, 0.6276,
0.3724


 111.2570, 0.4727,
0.3863

 4.1617, 0.6568,
0.3432

 141.3994, 0.4612,
0.3840

 1.7644, 0.7003,
0.2997

 176.5467, 0.4511,
0.3817

 0.4648, 0.7922,
0.2078

 217.0831, 0.4423,

 0.0000, 1.0000,

0.3795

0.0000

263.3931, 0.4344,
0.3774

■ 0.0000, 0.0000,
0.0000

■ 33.0469, 0.5400,
0.3920

■ 33.0469, 0.5400,
0.3920

■ 29.6295, 0.5662,
0.3848

■ 37.1566, 0.5089,
0.3939


■ 28.1738, 0.5773,
0.3798

■ 41.9977, 0.4755,
0.3909


■ 47.6115, 0.4426,
0.3842

■ 54.0341, 0.4118,
0.3751

■ 61.2990, 0.3841,
0.3649

 69.4375, 0.3598,
0.3542

 78.4791, 0.3388,
0.3438

 88.4520, 0.3208,
0.3338

 98.6960, 0.3084,
0.3290

Harmonies

Analogous

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



33.0469, 0.5273, 0.3166



33.0469, 0.5400, 0.3920



33.0469, 0.4820, 0.4744

Triad

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



33.0469, 0.5400, 0.3920



33.0469, 0.1880, 0.4239



33.0469, 0.2061, 0.1661

Complementary

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



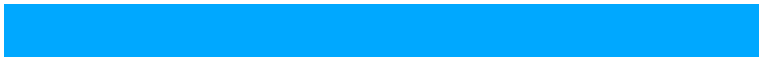
33.0469, 0.5400, 0.3920



34.8192, 0.1968, 0.2173

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.



33.0469, 0.1472, 0.1658



33.0469, 0.5400, 0.3920



33.0469, 0.1357, 0.2847

Square

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



33.0469, 0.5400, 0.3920



33.0469, 0.2805, 0.5415



33.0469, 0.1245, 0.2002



33.0469, 0.3068, 0.1949

Rectangle

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



33.0469, 0.5400, 0.3920



33.0469, 0.4208, 0.5258



33.0469, 0.1245, 0.2002



33.0469, 0.1820, 0.1627

Sweetspot

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



33.0487, 0.5400, 0.3920



73.0887, 0.3620, 0.3553



24.0765, 0.4243, 0.2204



14.9841, 0.3702, 0.3590



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.



33.0487, 0.5400, 0.3920



29.9716, 0.5775, 0.3796



73.0716, 0.4340, 0.4839



18.3173, 0.3284, 0.3382



15.4705, 0.5744, 0.3821



1.6309, 0.5522, 0.3997

Inverse Universe

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



34.8192, 0.1968, 0.2173



31.3770, 0.1876, 0.1954



10.5787, 0.1620, 0.0883



18.4241, 0.2980, 0.3197



16.2152, 0.1883, 0.1979



1.7069, 0.1931, 0.2152

Previews

White Background



This preview shows how the Yxy color 33.0469, 0.5400, 0.3920 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 33.0469, 0.5400, 0.3920 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 33.0469, 0.5400, 0.3920

Background



This preview shows how black text looks on a background with the Yxy color 33.0469, 0.5400, 0.3920.



This preview shows how white text looks on a background with the Yxy color 33.0469, 0.5400, 0.3920.

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

33.0469, 0.5400, 0.3920

Protanopia

33.0961, 0.4257, 0.4683

Deuteranopia

33.1006, 0.4679, 0.4590



Tritanopia

32.9691, 0.4743, 0.3215

Trichromacy



Original Color

33.0469, 0.5400, 0.3920

Protanomaly

32.0770, 0.4708, 0.4382

Deuteranomaly

32.5648, 0.4973, 0.4324

Tritanomaly

32.8555, 0.5052, 0.3522

Monochromacy



Original Color

33.0469, 0.5400, 0.3920

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.1644, 0.3990, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0469, 0.5400, 0.3920 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(248, 118, 37)` looks like.

```
.text, #text, p{  
    color:rgb(248, 118, 37)  
}
```

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(248, 118, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 118, 37) }
```

Border

The CSS property to change the border of an element to Yxy 33.0469, 0.5400, 0.3920 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(248, 118, 37) }
```

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

```
.border{ border-color:rgb(248, 118, 37) }
```

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

Here you see how a box with a 4 pixel rgb(248, 118, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 118, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 118, 37);  
box-shadow:4px 4px 4px 4px rgb(248, 118,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0469, 0.5400, 0.3920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 118, 37) }
```

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

```
.background{ background-color: rgb(248,  
118, 37) }
```

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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