

Converting Colors

$Y_{xy}(52.3882, 0.4747, 0.4365)$

Have a look what the booklet for
Yxy(52.3882, 0.4747, 0.4365)
contains.

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Color

Yxy(52.3878, 0.4754, 0.4364)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FEB036 |
| RGB | 254, 176, 54 |
| RGB Percent | 100%, 69%, 21% |
| CMY | 0.0038, 0.3098, 0.7884 |
| CMYK | 0.00, 0.31, 0.79, 0.00 |
| HSL | 37°, 99%, 60% |
| HSV | 37°, 79%, 100% |
| XYZ | 57.0696, 52.3878, 10.5880 |
| YIQ | 185.4140, 85.6500, -21.4060 |

Conversions

Conversions Part 2

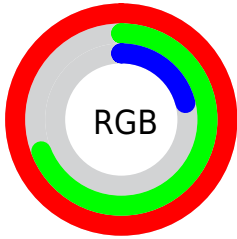
| Format | Color |
|-------------------------------------|---|
| RYB | 182, 254, 54 |
| Decimal | 16691254 |
| CIELab | 77.51, 18.75, 69.26 |
| CIELCh | 78, 71.750, 74.853 |
| Yxy | 52.3878, 0.4754, 0.4364 |
| Android (android.graphics.Color) | 4294881334 (0xFFFE036) |
| YUV | 185.4140, -64.7871, 60.1499 |
| Hunter-Lab | 72.3794, 14.0793, 41.9924 |

Details

The Yxy color **52.3878, 0.4754, 0.4364** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **24.4376, 0.1855, 0.1639**, and the grayscale version is **49.0903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0990, 0.4065, 0.4465**, and **25.6218, 0.4992, 0.4418** is the 20% darker color. If you saturate the color by 10%, you get **48.4668, 0.4940, 0.4373**, and if you desaturate by 10%, it is **56.7221, 0.4540, 0.4303**.

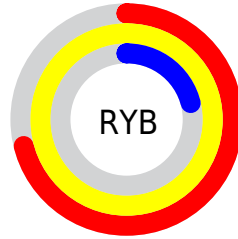
Distribution



Red (100%)

Green (69%)

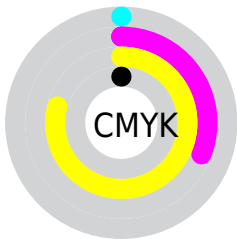
Blue (21%)



Red (71%)

Yellow (100%)

Blue (21%)

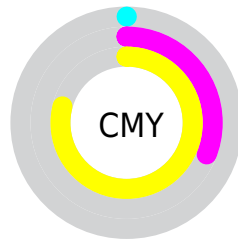


Cyan (0%)

Magenta (31%)

Yellow (79%)

Black (0%)



Cyan (0%)


Magenta (31%)

Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.3878, 0.4754, 0.4364 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 52.3878, 0.4754, 0.4364 by changing the saturation by 10% instead.


 52.3878, 0.4754,
0.4364

 52.3878, 0.4754,
0.4364


395.9319, 0.4017,
0.3939


 37.3143, 0.4900,
0.4427


 93.7029, 0.4513,
0.4241


 25.4509, 0.5062,
0.4482


 120.7133, 0.4414,
0.4186

 16.4133, 0.5238,
0.4518


 152.4714, 0.4327,
0.4135

 9.8171, 0.5458,
0.4542

 189.3617, 0.4250,
0.4088

 5.2779, 0.5585,
0.4415

 231.7684, 0.4181,
0.4046

 2.4112, 0.5782,
0.4218

280.0761, 0.4120,

 0.8316, 0.6129,

0.4007

0.3871

334.6692, 0.4066,
0.3972

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.3878, 0.4754,
0.4364

■ 52.3878, 0.4754,
0.4364

■ 48.4668, 0.4940,
0.4373

■ 56.7221, 0.4540,
0.4303

■ 44.9205, 0.5093,
0.4331


■ 61.4845, 0.4310,
0.4199


■ 44.5026, 0.5111,
0.4324

■ 66.6977, 0.4077,
0.4063

■ 72.3799, 0.3851,
0.3909

 78.5478, 0.3638,
0.3746

 85.2168, 0.3443,
0.3582

 92.4017, 0.3266,
0.3423

99.8150, 0.3121,
0.3290

Harmonies

Analogous

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



52.3878, 0.5011, 0.3691



52.3878, 0.4754, 0.4364



52.3878, 0.4075, 0.4932

Triad

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



52.3878, 0.4754, 0.4364



52.3878, 0.1772, 0.3284



52.3878, 0.2804, 0.2069

Complementary

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



52.3878, 0.4754, 0.4364



24.4376, 0.1855, 0.1639

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.



52.3878, 0.2061, 0.1897



52.3878, 0.4754, 0.4364



52.3878, 0.1545, 0.2437

Square

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



52.3878, 0.4754, 0.4364



52.3878, 0.2356, 0.4364



52.3878, 0.1646, 0.1998



52.3878, 0.3782, 0.2473

Rectangle

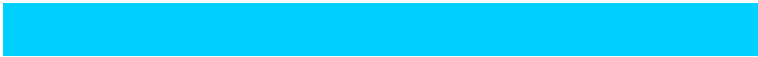
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.3878, 0.4754, 0.4364



52.3878, 0.3502, 0.5083



52.3878, 0.1646, 0.1998



52.3878, 0.2521, 0.1984

Sweetspot

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



52.3905, 0.4754, 0.4364



82.3719, 0.3543, 0.3668



25.4300, 0.4797, 0.2623



17.1258, 0.3614, 0.3727



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.



52.3905, 0.4754, 0.4364



46.6119, 0.5039, 0.4352



88.6587, 0.3989, 0.5048



19.8315, 0.3279, 0.3435



23.7530, 0.5092, 0.4339



2.5253, 0.4961, 0.4443

Inverse Universe

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



24.4376, 0.1855, 0.1639



17.8664, 0.1700, 0.1293



11.2457, 0.1720, 0.0878



18.5396, 0.2979, 0.3141



8.7489, 0.1675, 0.1229



1.0567, 0.1737, 0.1453

Previews

White Background



This preview shows how the Yxy color 52.3878, 0.4754, 0.4364 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 52.3878, 0.4754, 0.4364 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 52.3878, 0.4754, 0.4364

Background



This preview shows how black text looks on a background with the Yxy color 52.3878, 0.4754, 0.4364.



This preview shows how white text looks on a background with the Yxy color 52.3878, 0.4754, 0.4364.

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

52.3878, 0.4754, 0.4364

Protanopia

52.4518, 0.4265, 0.4696

Deuteranopia

52.3957, 0.4604, 0.4501



Tritanopia

52.4796, 0.3843, 0.3187

Trichromacy



Original Color

52.3878, 0.4754, 0.4364

Protanomaly

52.0712, 0.4442, 0.4570

Deuteranomaly

52.4833, 0.4660, 0.4451

Tritanomaly

52.0793, 0.4252, 0.3688

Monochromacy



Original Color

52.3878, 0.4754, 0.4364

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.9637, 0.3754, 0.3844

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3878, 0.4754, 0.4364 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(254, 176, 54)` looks like.

```
.text, #text, p{  
    color:rgb(254, 176, 54)  
}
```

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(254, 176, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 176, 54) }
```

Border

The CSS property to change the border of an element to Yxy 52.3878, 0.4754, 0.4364 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(254, 176, 54) }
```

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

```
.border{ border-color:rgb(254, 176, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 176, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 176, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 176, 54);  
box-shadow:4px 4px 4px 4px rgb(254, 176,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3878, 0.4754, 0.4364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 176, 54) }
```

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

```
.background{ background-color: rgb(254,  
176, 54) }
```

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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