

Converting Colors

$Y_{xy}(42.0596, 0.5127, 0.4178)$

Have a look what the booklet for
Yxy(42.0596, 0.5127, 0.4178)
contains.

Yxy(42.0596, 0.5127, 0.4178)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.0596, 0.5127, 0.4178)

Conversions

Conversions Part 1

Format	Color
Hex	FE9323
RGB	254, 147, 35
RGB Percent	100%, 58%, 14%
CMY	0.0039, 0.4235, 0.8623
CMYK	0.00, 0.42, 0.86, 0.00
HSL	31°, 99%, 57%
HSV	31°, 86%, 100%
XYZ	51.6131, 42.0596, 6.9965
YIQ	166.2250, 99.7240, -12.1480

Conversions

Conversions Part 2

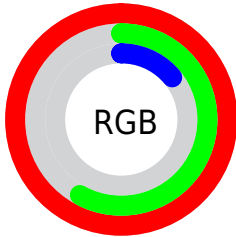
Format	Color
R_{YB}	244, 254, 35
Decimal	16683811
CIE Lab	70.91, 33.30, 69.74
CIE LCh	71, 77.284, 64.476
Yxy	42.0596, 0.5127, 0.4178
Android (android.graphics.Color)	4294873891 (0xFFFE9323)
YUV	166.2250, -64.6939, 76.9787
Hunter-Lab	64.8534, 28.5646, 39.0010

Details

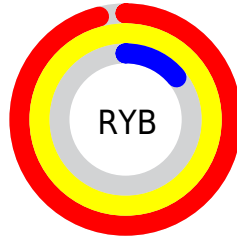
The Yxy color **42.0596, 0.5127, 0.4178** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **26.8960, 0.1853, 0.1762**, and the grayscale version is **38.5380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2738, 0.4353, 0.4351**, and **19.2608, 0.5418, 0.4080** is the 20% darker color. If you saturate the color by 10%, you get **38.3055, 0.5332, 0.4123**, and if you desaturate by 10%, it is **46.3440, 0.4883, 0.4177**.

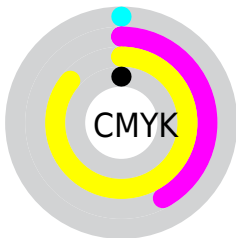
Distribution



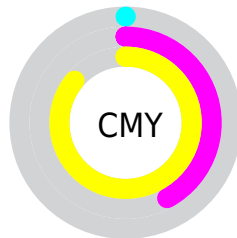
- Red (100%)
- Green (58%)
- Blue (14%)



- Red (96%)
- Yellow (100%)
- Blue (14%)



- Cyan (0%)
- Magenta (42%)
- Yellow (86%)
- Black (0%)





- Cyan (0%)
- Magenta (42%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0596, 0.5127, 0.4178 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 42.0596, 0.5127, 0.4178 by changing the saturation by 10% instead.


 42.0596, 0.5127,
0.4178

 42.0596, 0.5127,
0.4178

354.7299, 0.4188,
0.3876


 29.1480, 0.5316,
0.4197


 78.2898, 0.4815,
0.4110


 19.1928, 0.5528,
0.4190


 102.3772, 0.4689,
0.4071


 11.8097, 0.5809,
0.4172


 130.9586, 0.4578,
0.4034

 6.6142, 0.6003,
0.3997

 164.4184, 0.4480,
0.3998

 3.2220, 0.6270,
0.3730

 203.1411, 0.4394,
0.3964

 1.2487, 0.6696,
0.3304

 247.5110, 0.4317,

 0.1010, 0.9002,

0.3932

0.0998

297.9124, 0.4249,
0.3903

0.0000, 0.0000,
0.0000

42.0596, 0.5127,
0.4178

42.0596, 0.5127,
0.4178

38.3055, 0.5332,
0.4123

46.3440, 0.4883,
0.4177

36.9939, 0.5402,
0.4092

51.1847, 0.4615,
0.4124

56.6123, 0.4341,
0.4032

62.6521, 0.4076,
0.3913

69.3276, 0.3828,
0.3779

 76.6605, 0.3603,
0.3639

 84.6714, 0.3402,
0.3501

 93.3797, 0.3225,
0.3368

99.8118, 0.3121,
0.3290

Harmonies

Analogous

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



42.0596, 0.5234, 0.3438



42.0596, 0.5127, 0.4178



42.0596, 0.4459, 0.4926

Triad

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



42.0596, 0.5127, 0.4178



42.0596, 0.1763, 0.3701



42.0596, 0.2418, 0.1826

Complementary

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



42.0596, 0.5127, 0.4178



26.8960, 0.1853, 0.1762

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.



42.0596, 0.1726, 0.1731



42.0596, 0.5127, 0.4178



42.0596, 0.1396, 0.2570

Square

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



42.0596, 0.5127, 0.4178



42.0596, 0.2531, 0.4939



42.0596, 0.1397, 0.1944



42.0596, 0.3468, 0.2186

Rectangle

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



42.0596, 0.5127, 0.4178



42.0596, 0.3847, 0.5292



42.0596, 0.1397, 0.1944



42.0596, 0.2144, 0.1764

Sweetspot

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



42.0618, 0.5127, 0.4178



77.4776, 0.3599, 0.3637



24.3113, 0.4669, 0.2438



16.0175, 0.3674, 0.3685



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.



42.0618, 0.5127, 0.4178



37.3174, 0.5403, 0.4092



92.0809, 0.4163, 0.5003



19.5224, 0.3281, 0.3412



19.7992, 0.5378, 0.4112



2.1465, 0.5206, 0.4248

Inverse Universe

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



26.8960, 0.1853, 0.1762



21.7998, 0.1752, 0.1507



8.7241, 0.1568, 0.0713



18.8438, 0.2979, 0.3165



11.6877, 0.1760, 0.1537



1.3559, 0.1818, 0.1745

Previews

White Background



This preview shows how the Yxy color 42.0596, 0.5127, 0.4178 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 42.0596, 0.5127, 0.4178 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 42.0596, 0.5127, 0.4178

Background



This preview shows how black text looks on a background with the Yxy color 42.0596, 0.5127, 0.4178.



This preview shows how white text looks on a background with the Yxy color 42.0596, 0.5127, 0.4178.

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

42.0596, 0.5127, 0.4178

Protanopia

42.1750, 0.4315, 0.4749

Deuteranopia

42.1878, 0.4688, 0.4586



Tritanopia

42.1861, 0.4250, 0.3200

Trichromacy



Original Color

42.0596, 0.5127, 0.4178

Protanomaly

41.4491, 0.4623, 0.4535

Deuteranomaly

41.6887, 0.4859, 0.4432

Tritanomaly

41.9876, 0.4667, 0.3644

Monochromacy



Original Color

42.0596, 0.5127, 0.4178

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.1100, 0.3915, 0.3830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0596, 0.5127, 0.4178 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, 147, 35)` looks like.

```
.text, #text, p{  
    color:rgb(254, 147, 35)  
}
```

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, 147, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 147, 35) }
```

Border

The CSS property to change the border of an element to Yxy 42.0596, 0.5127, 0.4178 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, 147, 35) }
```

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

```
.border{ border-color:rgb(254, 147, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 147, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 147, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 147, 35);  
box-shadow:4px 4px 4px 4px rgb(254, 147,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0596, 0.5127, 0.4178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 147, 35) }
```

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

```
.background{ background-color: rgb(254,  
147, 35) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor