

Converting Colors

Yxy(61.4276, 0.5103, 0.4012)

Have a look what the booklet for
Yxy(61.4276, 0.5103, 0.4012)
contains.

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Color

Yxy(50.4516, 0.4738, 0.4214)

Conversions

Conversions Part 1

Format	Color
Hex	FFAA46
RGB	255, 170, 70
RGB Percent	100%, 67%, 27%
CMY	0.0000, 0.3333, 0.7254
CMYK	0.00, 0.33, 0.73, 0.00
HSL	32°, 100%, 64%
HSV	32°, 73%, 100%
XYZ	56.7251, 50.4516, 12.5471
YIQ	184.0150, 82.7600, -13.0800

Conversions

Conversions Part 2

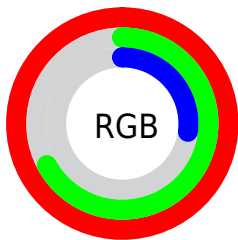
Format	Color
R _Y B	227, 255, 70
Decimal	16755270
CIE Lab	76.35, 22.93, 61.89
CIE LCh	76, 66.002, 69.674
Yxy	50.4516, 0.4738, 0.4214
Android (android.graphics.Color)	4294945350 (0xFFFFAA46)
YUV	184.0150, -56.2094, 62.2538
Hunter-Lab	71.0293, 18.2517, 39.2472

Details

The Yxy color **50.4516, 0.4738, 0.4214** 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 **31.9761, 0.1978, 0.1957**, and the grayscale version is **48.2242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5405, 0.4030, 0.4300**, and **24.3097, 0.5072, 0.4325** is the 20% darker color. If you saturate the color by 10%, you get **45.9952, 0.4978, 0.4241**, and if you desaturate by 10%, it is **55.4358, 0.4480, 0.4139**.

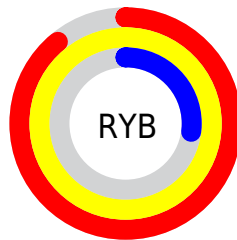
Distribution



Red (100%)

Green (67%)

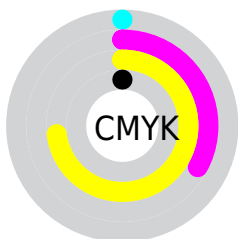
Blue (27%)



Red (89%)

Yellow (100%)

Blue (27%)

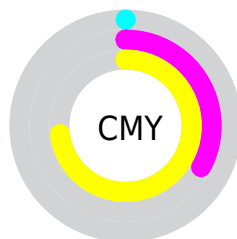


Cyan (0%)

Magenta (33%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.4516, 0.4738, 0.4214 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 50.4516, 0.4738, 0.4214 by changing the saturation by 10% instead.


 50.4516, 0.4738,
0.4214

 50.4516, 0.4738,
0.4214


388.4294, 0.3985,
0.3846

 35.7724, 0.4896,
0.4269


 90.8436, 0.4484,
0.4107


 24.2584, 0.5079,
0.4319


 117.3252, 0.4383,
0.4058

 15.5254, 0.5287,
0.4351


 148.5097, 0.4294,
0.4014

 9.1890, 0.5582,
0.4393

 184.7814, 0.4217,
0.3974

 4.8646, 0.5755,
0.4245

 226.5249, 0.4148,
0.3937

 2.1681, 0.6001,
0.3999

274.1244, 0.4087,

 0.7025, 0.6473,

0.3904

0.3527

327.9645, 0.4033,
0.3874

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

50.4516, 0.4738,
0.4214

50.4516, 0.4738,
0.4214

45.9952, 0.4978,
0.4241

55.4358, 0.4480,
0.4139

42.0385, 0.5184,
0.4214


60.9737, 0.4220,
0.4029


39.3845, 0.5315,
0.4162

67.0878, 0.3969,
0.3896

73.7991, 0.3735,
0.3752

 81.1274, 0.3523,
0.3605

 89.0910, 0.3334,
0.3461

 97.7076, 0.3166,
0.3324

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



50.4516, 0.4875, 0.3577



50.4516, 0.4738, 0.4214



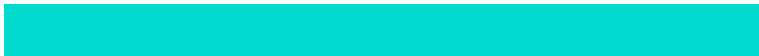
50.4516, 0.4161, 0.4766

Triad

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



50.4516, 0.4738, 0.4214



50.4516, 0.1926, 0.3461



50.4516, 0.2687, 0.2090

Complementary

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



50.4516, 0.4738, 0.4214



31.9761, 0.1978, 0.1957

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.



50.4516, 0.2034, 0.1970



50.4516, 0.4738, 0.4214



50.4516, 0.1646, 0.2609

Square

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



50.4516, 0.4738, 0.4214



50.4516, 0.2538, 0.4434



50.4516, 0.1688, 0.2122



50.4516, 0.3580, 0.2441

Rectangle

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



50.4516, 0.4738, 0.4214



50.4516, 0.3639, 0.4950



50.4516, 0.1688, 0.2122



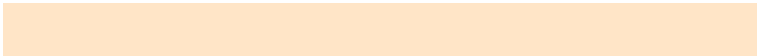
50.4516, 0.2436, 0.2023

Sweetspot

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



50.4513, 0.4738, 0.4214



81.5392, 0.3512, 0.3597



28.0561, 0.4419, 0.2506



17.0121, 0.3567, 0.3637



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.



50.4513, 0.4738, 0.4214



44.1697, 0.5075, 0.4236



92.0719, 0.4046, 0.4910



19.6136, 0.3281, 0.3419



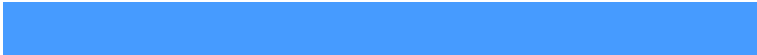
20.8816, 0.5292, 0.4180



2.2518, 0.5132, 0.4307

Inverse Universe

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



31.9761, 0.1978, 0.1957



24.9015, 0.1821, 0.1658



13.1485, 0.1756, 0.0994



18.7532, 0.2979, 0.3158



10.7336, 0.1734, 0.1441



1.2606, 0.1794, 0.1656

Previews

White Background



This preview shows how the Yxy color 50.4516, 0.4738, 0.4214 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 50.4516, 0.4738, 0.4214 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 50.4516, 0.4738, 0.4214

Background



This preview shows how black text looks on a background with the Yxy color 50.4516, 0.4738, 0.4214.



This preview shows how white text looks on a background with the Yxy color 50.4516, 0.4738, 0.4214.

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

50.4516, 0.4738, 0.4214

Protanopia

50.6048, 0.4161, 0.4573

Deuteranopia

50.4783, 0.4516, 0.4407



Tritanopia

50.4715, 0.3907, 0.3187

Trichromacy



Original Color

50.4516, 0.4738, 0.4214

Protanomaly

50.1057, 0.4371, 0.4443

Deuteranomaly

50.5227, 0.4597, 0.4338

Tritanomaly

50.3100, 0.4252, 0.3606

Monochromacy



Original Color

50.4516, 0.4738, 0.4214

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.9250, 0.3714, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4516, 0.4738, 0.4214 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(255, 170, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 70)  
}
```

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(255, 170, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 70) }
```

Border

The CSS property to change the border of an element to Yxy 50.4516, 0.4738, 0.4214 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(255, 170, 70) }
```

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

```
.border{ border-color:rgb(255, 170, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 170, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4516, 0.4738, 0.4214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 70) }
```

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

```
.background{ background-color: rgb(255,  
170, 70) }
```

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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