

Converting Colors

Yxy(50.5865, 0.4623, 0.4080)

Have a look what the booklet for
Yxy(50.5865, 0.4623, 0.4080)
contains.

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Color

Yxy(50.7140, 0.4624, 0.4087)

Conversions

Conversions Part 1

Format	Color
Hex	FFAA58
RGB	255, 170, 88
RGB Percent	100%, 67%, 35%
CMY	0.0000, 0.3333, 0.6549
CMYK	0.00, 0.33, 0.65, 0.00
HSL	29°, 100%, 67%
HSV	29°, 65%, 100%
XYZ	57.3774, 50.7140, 15.9947
YIQ	186.0670, 76.9820, -7.4820

Conversions

Conversions Part 2

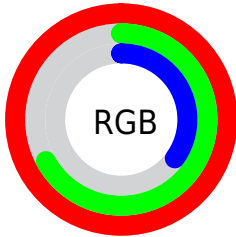
Format	Color
R _Y B	255, 249, 88
Decimal	16755288
CIE Lab	76.51, 23.85, 53.96
CIE LCh	77, 58.997, 66.161
Yxy	50.7140, 0.4624, 0.4087
Android (android.graphics.Color)	4294945368 (0xFFFFAA58)
YUV	186.0670, -48.3470, 60.4542
Hunter-Lab	71.2138, 19.1946, 36.5330

Details

The Yxy color **50.7140, 0.4624, 0.4087** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **39.1762, 0.2098, 0.2221**, and the grayscale version is **49.3863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0335, 0.3918, 0.4137**, and **24.5536, 0.4967, 0.4199** is the 20% darker color. If you saturate the color by 10%, you get **45.7362, 0.4903, 0.4138**, and if you desaturate by 10%, it is **56.3229, 0.4341, 0.3997**.

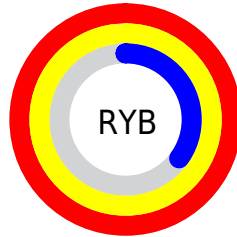
Distribution



Red (100%)

Green (67%)

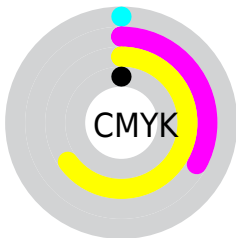
Blue (35%)



Red (100%)

Yellow (98%)

Blue (35%)

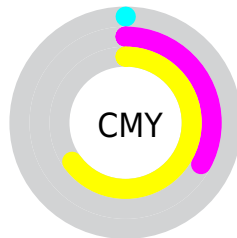


Cyan (0%)

Magenta (33%)

Yellow (65%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7140, 0.4624, 0.4087 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 50.7140, 0.4624, 0.4087 by changing the saturation by 10% instead.


 50.7140, 0.4624,
0.4087

 50.7140, 0.4624,
0.4087


389.4516, 0.3910,
0.3761

 35.9810, 0.4781,
0.4141


 91.2319, 0.4378,
0.3989

 24.4196, 0.4969,
0.4193


 117.7856, 0.4282,
0.3946

 15.6451, 0.5191,
0.4235


 149.0483, 0.4198,
0.3907

 9.2734, 0.5459,
0.4253

 185.4045, 0.4125,
0.3872

 4.9199, 0.5784,
0.4216

227.2386, 0.4061,
0.3840

 2.2004, 0.6036,
0.3964

274.9348, 0.4005,

 0.7202, 0.6508,

0.3811

328.8777, 0.3955,
0.3785

0.3492

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

50.7140, 0.4624,
0.4087

50.7140, 0.4624,
0.4087

45.7362, 0.4903,
0.4138

56.3229, 0.4341,
0.3997

41.3549, 0.5159,
0.4139

62.5855, 0.4070,
0.3881

37.5371, 0.5376,
0.4083

69.5283, 0.3818,
0.3751

35.9839, 0.5463,
0.4045

77.1748, 0.3591,
0.3617

85.5469, 0.3390,
0.3484

94.6655, 0.3214,
0.3357

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.



50.7140, 0.4673, 0.3504



50.7140, 0.4624, 0.4087



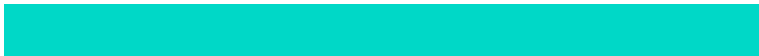
50.7140, 0.4154, 0.4585

Triad

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



50.7140, 0.4624, 0.4087



50.7140, 0.2096, 0.3554



50.7140, 0.2652, 0.2171

Complementary

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



50.7140, 0.4624, 0.4087



39.1762, 0.2098, 0.2221

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.



50.7140, 0.2084, 0.2091



50.7140, 0.4624, 0.4087



50.7140, 0.1794, 0.2764

Square

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



50.7140, 0.4624, 0.4087



50.7140, 0.2690, 0.4378



50.7140, 0.1795, 0.2273



50.7140, 0.3439, 0.2472

Rectangle

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



50.7140, 0.4624, 0.4087



50.7140, 0.3695, 0.4760



50.7140, 0.1795, 0.2273



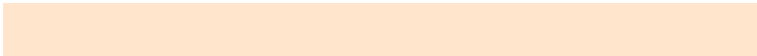
50.7140, 0.2433, 0.2118

Sweetspot

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



50.7156, 0.4624, 0.4087



81.6830, 0.3478, 0.3543



31.3049, 0.4120, 0.2462



16.9839, 0.3535, 0.3581



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.



50.7156, 0.4624, 0.4087



44.1336, 0.4996, 0.4145



91.7213, 0.4047, 0.4766



19.4600, 0.3282, 0.3407



19.0996, 0.5437, 0.4065



2.0777, 0.5257, 0.4207

Inverse Universe

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



39.1762, 0.2098, 0.2221



31.7935, 0.1937, 0.1959



16.7379, 0.1856, 0.1204



18.9062, 0.2979, 0.3170



12.3836, 0.1779, 0.1604



1.4244, 0.1835, 0.1807

Previews

White Background



This preview shows how the Yxy color 50.7140, 0.4624, 0.4087 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 50.7140, 0.4624, 0.4087 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 50.7140, 0.4624, 0.4087

Background



This preview shows how black text looks on a background with the Yxy color 50.7140, 0.4624, 0.4087.



This preview shows how white text looks on a background with the Yxy color 50.7140, 0.4624, 0.4087.

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

50.7140, 0.4624, 0.4087

Protanopia

50.7587, 0.4037, 0.4406

Deuteranopia

50.8068, 0.4378, 0.4283



Tritanopia

50.5104, 0.3898, 0.3176

Trichromacy



Original Color

50.7140, 0.4624, 0.4087

Protanomaly

50.3974, 0.4252, 0.4284

Deuteranomaly

50.6160, 0.4473, 0.4203

Tritanomaly

50.5156, 0.4186, 0.3534

Monochromacy



Original Color

50.7140, 0.4624, 0.4087

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.6934, 0.3659, 0.3659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7140, 0.4624, 0.4087 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, 88)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 88)  
}
```

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, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 88) }
```

Border

The CSS property to change the border of an element to Yxy 50.7140, 0.4624, 0.4087 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, 88) }
```

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

```
.border{ border-color:rgb(255, 170, 88) }
```

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, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 88);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7140, 0.4624, 0.4087 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, 88) }
```

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

```
.background{ background-color: rgb(255,  
170, 88) }
```

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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