

Converting Colors

Yxy(56.5231, 0.4979, 0.4100)

Have a look what the booklet for
Yxy(56.5231, 0.4979, 0.4100)
contains.

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Color

Yxy(50.4268, 0.4749, 0.4227)

Conversions

Conversions Part 1

Format	Color
Hex	FFAA44
RGB	255, 170, 68
RGB Percent	100%, 67%, 27%
CMY	0.0001, 0.3333, 0.7333
CMYK	0.00, 0.33, 0.73, 0.00
HSL	33°, 100%, 63%
HSV	33°, 73%, 100%
XYZ	56.6541, 50.4268, 12.2160
YIQ	183.7870, 83.4020, -13.7020

Conversions

Conversions Part 2

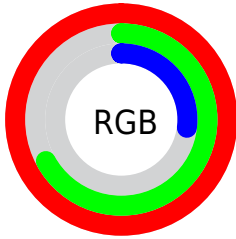
Format	Color
RYB	224, 255, 68
Decimal	16755268
CIELab	76.33, 22.82, 62.73
CIELCh	76, 66.750, 70.013
Yxy	50.4268, 0.4749, 0.4227
Android (android.graphics.Color)	4294945348 (0xFFFFAA44)
YUV	183.7870, -57.0830, 62.4538
Hunter-Lab	71.0118, 18.1388, 39.5088

Details

The Yxy color **50.4268, 0.4749, 0.4227** 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 **31.2214, 0.1964, 0.1927**, and the grayscale version is **48.0973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5156, 0.4036, 0.4308**, and **24.2987, 0.5084, 0.4337** is the 20% darker color. If you saturate the color by 10%, you get **46.0276, 0.4984, 0.4251**, and if you desaturate by 10%, it is **55.3493, 0.4494, 0.4154**.

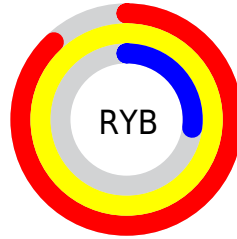
Distribution



Red (100%)

Green (67%)

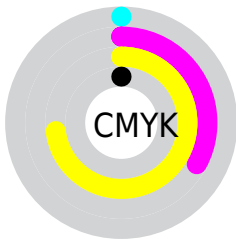
Blue (27%)



Red (88%)

Yellow (100%)

Blue (27%)

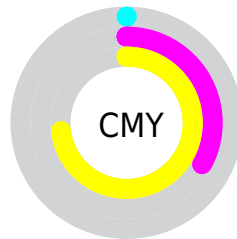


Cyan (0%)

Magenta (33%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.4268, 0.4749, 0.4227 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 50.4268, 0.4749, 0.4227 by changing the saturation by 10% instead.


 50.4268, 0.4749,
0.4227

 50.4268, 0.4749,
0.4227


388.3327, 0.3992,
0.3855

 35.7526, 0.4907,
0.4282


 90.8069, 0.4495,
0.4119


 24.2432, 0.5089,
0.4332


 117.2817, 0.4393,
0.4070

 15.5141, 0.5295,
0.4362


 148.4587, 0.4304,
0.4025

 9.1810, 0.5593,
0.4407

 184.7225, 0.4226,
0.3985

 4.8594, 0.5751,
0.4249

 226.4574, 0.4157,
0.3948

 2.1650, 0.5997,
0.4003

274.0478, 0.4096,

 0.7008, 0.6468,

0.3914

0.3532

327.8781, 0.4041,
0.3883

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

50.4268, 0.4749,
0.4227

50.4268, 0.4749,
0.4227

46.0276, 0.4984,
0.4251

55.3493, 0.4494,
0.4154

42.1153, 0.5185,
0.4220


60.8125, 0.4236,
0.4045


39.7549, 0.5300,
0.4174

66.8416, 0.3986,
0.3913

73.4573, 0.3752,
0.3768

 80.6792, 0.3539,
0.3620

 88.5255, 0.3348,
0.3474

 97.0136, 0.3179,
0.3335

99.9971, 0.3127,
0.3290

Harmonies

Analogous

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



50.4268, 0.4895, 0.3584



50.4268, 0.4749, 0.4227



50.4268, 0.4161, 0.4785

Triad

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



50.4268, 0.4749, 0.4227



50.4268, 0.1908, 0.3451



50.4268, 0.2691, 0.2082

Complementary

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



50.4268, 0.4749, 0.4227



31.2214, 0.1964, 0.1927

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.



50.4268, 0.2029, 0.1958



50.4268, 0.4749, 0.4227



50.4268, 0.1631, 0.2592

Square

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



50.4268, 0.4749, 0.4227



50.4268, 0.2522, 0.4439



50.4268, 0.1678, 0.2107



50.4268, 0.3595, 0.2438

Rectangle

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



50.4268, 0.4749, 0.4227



50.4268, 0.3632, 0.4970



50.4268, 0.1678, 0.2107



50.4268, 0.2436, 0.2013

Sweetspot

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



50.4294, 0.4749, 0.4227



81.6983, 0.3512, 0.3600



27.7669, 0.4440, 0.2504



17.0497, 0.3567, 0.3640



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.



50.4294, 0.4749, 0.4227



44.1479, 0.5083, 0.4244



92.0217, 0.4051, 0.4920



19.6296, 0.3281, 0.3420



21.0782, 0.5277, 0.4192



2.2708, 0.5119, 0.4317

Inverse Universe

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



31.2214, 0.1964, 0.1927



24.1637, 0.1808, 0.1622



12.8187, 0.1744, 0.0974



18.7374, 0.2979, 0.3157



10.5743, 0.1729, 0.1425



1.2446, 0.1789, 0.1641

Previews

White Background



This preview shows how the Yxy color 50.4268, 0.4749, 0.4227 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 50.4268, 0.4749, 0.4227 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 50.4268, 0.4749, 0.4227

Background



This preview shows how black text looks on a background with the Yxy color 50.4268, 0.4749, 0.4227.



This preview shows how white text looks on a background with the Yxy color 50.4268, 0.4749, 0.4227.

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

50.4268, 0.4749, 0.4227

Protanopia

50.5779, 0.4172, 0.4590

Deuteranopia

50.4547, 0.4527, 0.4421



Tritanopia

50.4715, 0.3907, 0.3187

Trichromacy



Original Color

50.4268, 0.4749, 0.4227

Protanomaly

50.0796, 0.4382, 0.4458

Deuteranomaly

50.4987, 0.4607, 0.4351

Tritanomaly

50.2817, 0.4261, 0.3616

Monochromacy



Original Color

50.4268, 0.4749, 0.4227

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.8948, 0.3723, 0.3748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4268, 0.4749, 0.4227 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, 68)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 68)  
}
```

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, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 68) }
```

Border

The CSS property to change the border of an element to Yxy 50.4268, 0.4749, 0.4227 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, 68) }
```

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

```
.border{ border-color:rgb(255, 170, 68) }
```

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, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 68);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4268, 0.4749, 0.4227 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, 68) }
```

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

```
.background{ background-color: rgb(255,  
170, 68) }
```

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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