

Converting Colors

$Yxy(68.6206, 0.4433, 0.4643)$

Have a look what the booklet for
Yxy(68.6206, 0.4433, 0.4643)
contains.

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Color

Yxy(68.6424, 0.4432, 0.4643)

Conversions

Conversions Part 1

Format	Color
Hex	FFD439
RGB	255, 212, 57
RGB Percent	100%, 83%, 22%
CMY	0.0000, 0.1686, 0.7762
CMYK	0.00, 0.17, 0.78, 0.00
HSL	47°, 100%, 61%
HSV	47°, 78%, 100%
XYZ	65.5230, 68.6424, 13.6753
YIQ	207.1870, 75.3830, -39.0890

Conversions

Conversions Part 2

Format	Color
RYB	112, 255, 57
Decimal	16766009
CIELab	86.33, 0.63, 76.27
CIELCh	86, 76.269, 89.526
Yxy	68.6424, 0.4432, 0.4643
Android (android.graphics.Color)	4294956089 (0xFFFFD439)
YUV	207.1870, -74.0422, 41.9320
Hunter-Lab	82.8507, -3.8210, 48.2091

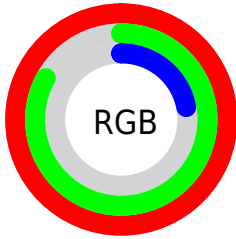
Details

The Yxy color **68.6424, 0.4432, 0.4643** is a light color, and the websafe version is hex **FFCC33**.

The color can be described as light washed yellow. A complement of this color would be **17.2182, 0.1759, 0.1246**, and the grayscale version is **62.9808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0410, 0.3917, 0.4595**, and **35.9231, 0.4565, 0.4757** is the 20% darker color. If you saturate the color by 10%, you get **65.7295, 0.4546, 0.4692**, and if you desaturate by 10%, it is **71.7846, 0.4290, 0.4546**.

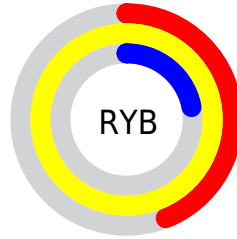
Distribution



Red (100%)

Green (83%)

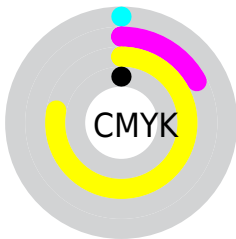
Blue (22%)



Red (44%)

Yellow (100%)

Blue (22%)

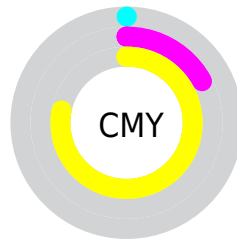


Cyan (0%)

Magenta (17%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.6424, 0.4432, 0.4643 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 68.6424, 0.4432, 0.4643 by changing the saturation by 10% instead.

 68.6424, 0.4432,
0.4643


 68.6424, 0.4432,
0.4643


455.7687, 0.3889,
0.4082


 50.4205, 0.4528,
0.4742


 117.2707, 0.4264,
0.4470


 35.7477, 0.4631,
0.4846


 148.4459, 0.4192,
0.4396


 24.2394, 0.4734,
0.4950


 184.7076, 0.4128,
0.4329

 15.5113, 0.4850,
0.5067

 226.4403, 0.4070,
0.4269

 9.1790, 0.4894,
0.5106

 274.0284, 0.4017,
0.4215

 4.8581, 0.4899,
0.5101

327.8562, 0.3970,

 2.1643, 0.4907,

0.4167

0.5093

388.3082, 0.3928,
0.4122

■ 0.7004, 0.4930,
0.5070

■ 0.0000, 0.0000,
0.0000

■ 68.6424, 0.4432,
0.4643

■ 68.6424, 0.4432,
0.4643

■ 65.7295, 0.4546,
0.4692

■ 71.7846, 0.4290,
0.4546

■ 63.0128, 0.4630,
0.4695

■ 75.1639, 0.4126,
0.4408

■ 62.3876, 0.4648,
0.4692

■ 78.7988, 0.3948,
0.4237

■ 82.7028, 0.3765,
0.4046

■ 86.8880, 0.3584,
0.3843

■ 91.3658, 0.3409,
0.3638

■ 96.1464, 0.3244,
0.3438

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



68.6424, 0.4908, 0.4013



68.6424, 0.4432, 0.4643



68.6424, 0.3653, 0.5020

Triad

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



68.6424, 0.4432, 0.4643



68.6424, 0.1653, 0.2836



68.6424, 0.3266, 0.2265

Complementary

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



68.6424, 0.4432, 0.4643



17.2182, 0.1759, 0.1246

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.



68.6424, 0.2404, 0.1979



68.6424, 0.4432, 0.4643



68.6424, 0.1591, 0.2204

Square

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



68.6424, 0.4432, 0.4643



68.6424, 0.2056, 0.3824



68.6424, 0.1839, 0.1943



68.6424, 0.4220, 0.2752

Rectangle

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



68.6424, 0.4432, 0.4643



68.6424, 0.3070, 0.4931



68.6424, 0.1839, 0.1943



68.6424, 0.2953, 0.2144

Sweetspot

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



68.6457, 0.4432, 0.4643



88.9210, 0.3502, 0.3749



25.1773, 0.5269, 0.2937



18.6916, 0.3566, 0.3823



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.



68.6457, 0.4432, 0.4643



64.2462, 0.4595, 0.4699



84.4017, 0.3754, 0.5201



20.3817, 0.3275, 0.3475



32.8286, 0.4639, 0.4699



3.3545, 0.4578, 0.4747

Inverse Universe

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



17.2182, 0.1759, 0.1246



11.6480, 0.1599, 0.0911



13.4586, 0.1917, 0.0995



18.0173, 0.2979, 0.3098



5.3962, 0.1562, 0.0823



0.6773, 0.1617, 0.1020

Previews

White Background



This preview shows how the Yxy color 68.6424, 0.4432, 0.4643 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 68.6424, 0.4432, 0.4643 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 68.6424, 0.4432, 0.4643

Background



This preview shows how black text looks on a background with the Yxy color 68.6424, 0.4432, 0.4643.



This preview shows how white text looks on a background with the Yxy color 68.6424, 0.4432, 0.4643.

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

68.6424, 0.4432, 0.4643

Protanopia

68.9859, 0.4297, 0.4740

Deuteranopia

68.6671, 0.4020, 0.4027



Tritanopia

68.3561, 0.3453, 0.3168

Trichromacy



Original Color

68.6424, 0.4432, 0.4643

Protanomaly

68.6805, 0.4343, 0.4704

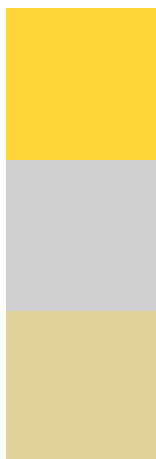
Deuteranomaly

68.4359, 0.4206, 0.4296

Tritanomaly

67.8369, 0.3886, 0.3799

Monochromacy



Original Color

68.6424, 0.4432, 0.4643

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.7152, 0.3659, 0.3938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6424, 0.4432, 0.4643 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, 212, 57)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 57)  
}
```

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, 212, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 57) }
```

Border

The CSS property to change the border of an element to Yxy 68.6424, 0.4432, 0.4643 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, 212, 57) }
```

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

```
.border{ border-color:rgb(255, 212, 57) }
```

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

Here you see how a box with a 4 pixel rgb(255, 212, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 57);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6424, 0.4432, 0.4643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 57) }
```

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

```
.background{ background-color: rgb(255,  
212, 57) }
```

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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