

Converting Colors

Yxy(61.8995, 0.4570, 0.4560)

Have a look what the booklet for
Yxy(61.8995, 0.4570, 0.4560)
contains.

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Color

Yxy(61.8872, 0.4570, 0.4560)

Conversions

Conversions Part 1

Format	Color
Hex	FFC633
RGB	255, 198, 51
RGB Percent	100%, 78%, 20%
CMY	0.0001, 0.2235, 0.8000
CMYK	0.00, 0.22, 0.80, 0.00
HSL	43°, 100%, 60%
HSV	43°, 80%, 100%
XYZ	62.0229, 61.8872, 11.8074
YIQ	198.2850, 81.1590, -33.6330

Conversions

Conversions Part 2

Format	Color
RYB	130, 255, 51
Decimal	16762419
CIELab	82.85, 7.59, 75.06
CIELCh	83, 75.446, 84.224
Yxy	61.8872, 0.4570, 0.4560
Android (android.graphics.Color)	4294952499 (0xFFFFC633)
YUV	198.2850, -72.6115, 49.7391
Hunter-Lab	78.6684, 3.0613, 46.1690

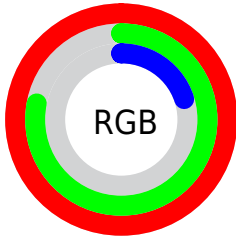
Details

The Yxy color **61.8872, 0.4570, 0.4560** is a light color, and the websafe version is hex **FFCC33**.

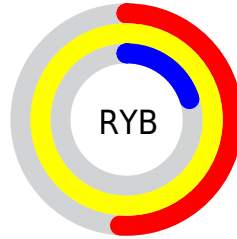
The color can be described as light washed yellow. A complement of this color would be **18.6352, 0.1766, 0.1328**, and the grayscale version is **57.0687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2694, 0.3949, 0.4633**, and **31.5883, 0.4716, 0.4638** is the 20% darker color. If you saturate the color by 10%, you get **58.5449, 0.4702, 0.4586**, and if you desaturate by 10%, it is **65.5116, 0.4409, 0.4484**.

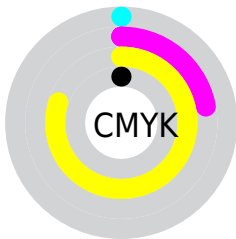
Distribution



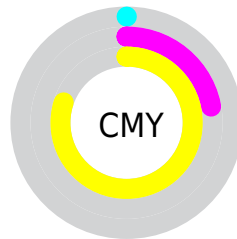
- Red (100%)
- Green (78%)
- Blue (20%)



- Red (51%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (22%)
- Yellow (80%)
- Black (0%)




- Cyan (0%)
- Magenta (22%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.8872, 0.4570, 0.4560 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 61.8872, 0.4570, 0.4560 by changing the saturation by 10% instead.


 61.8872, 0.4570,
0.4560


 61.8872, 0.4570,
0.4560


431.5195, 0.3951,
0.4043


 44.9416, 0.4683,
0.4646


 107.5625, 0.4375,
0.4404


 31.4114, 0.4805,
0.4732


 137.0609, 0.4293,
0.4336


 20.9123, 0.4931,
0.4809

 171.5124, 0.4220,
0.4275

 13.0599, 0.5094,
0.4906

 211.3014, 0.4154,
0.4219

 7.4698, 0.5139,
0.4861

 256.8121, 0.4095,
0.4168

 3.7576, 0.5205,
0.4795

308.4292, 0.4042,

 1.5389, 0.5317,

0.4123

0.4683

366.5368, 0.3995,
0.4081

0.3159, 0.6059,
0.3941

0.0000, 0.0000,
0.0000

61.8872, 0.4570,
0.4560

61.8872, 0.4570,
0.4560

58.5449, 0.4702,
0.4586

65.5116, 0.4409,
0.4484

55.4448, 0.4804,
0.4567

69.4287, 0.4226,
0.4364

55.4443, 0.4804,
0.4567

73.6583, 0.4031,
0.4211

78.2153, 0.3834,
0.4035

■ 83.1132, 0.3640,
0.3848

■ 88.3643, 0.3456,
0.3657

■ 93.9803, 0.3284,
0.3470

99.9722, 0.3127,
0.3290

99.9939, 0.3127,
0.3290

Harmonies

Analogous

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



61.8872, 0.4982, 0.3900



61.8872, 0.4570, 0.4560



61.8872, 0.3811, 0.5028

Triad

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



61.8872, 0.4570, 0.4560



61.8872, 0.1669, 0.2979



61.8872, 0.3095, 0.2177

Complementary

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



61.8872, 0.4570, 0.4560



18.6352, 0.1766, 0.1328

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.



61.8872, 0.2263, 0.1929



61.8872, 0.4570, 0.4560



61.8872, 0.1550, 0.2263

Square

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



61.8872, 0.4570, 0.4560



61.8872, 0.2142, 0.4030



61.8872, 0.1747, 0.1940



61.8872, 0.4083, 0.2640

Rectangle

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



61.8872, 0.4570, 0.4560



61.8872, 0.3222, 0.5034



61.8872, 0.1747, 0.1940



61.8872, 0.2787, 0.2068

Sweetspot

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



61.8903, 0.4570, 0.4560



86.2446, 0.3528, 0.3733



24.7209, 0.5210, 0.2852



18.0615, 0.3594, 0.3801



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.



61.8903, 0.4570, 0.4560



56.6759, 0.4765, 0.4578



85.5540, 0.3827, 0.5185



20.1829, 0.3276, 0.3461



29.2439, 0.4792, 0.4577



3.0318, 0.4708, 0.4644

Inverse Universe

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



18.6352, 0.1766, 0.1328



12.8127, 0.1614, 0.0988



12.0285, 0.1821, 0.0914



18.2032, 0.2979, 0.3114



6.3551, 0.1596, 0.0946



0.7934, 0.1656, 0.1161

Previews

White Background



This preview shows how the Yxy color 61.8872, 0.4570, 0.4560 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 61.8872, 0.4570, 0.4560 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 61.8872, 0.4570, 0.4560

Background



This preview shows how black text looks on a background with the Yxy color 61.8872, 0.4570, 0.4560.



This preview shows how white text looks on a background with the Yxy color 61.8872, 0.4570, 0.4560.

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

61.8872, 0.4570, 0.4560

Protanopia

62.0385, 0.4304, 0.4748

Deuteranopia

61.8484, 0.4428, 0.4358



Tritanopia

61.8253, 0.3590, 0.3177

Trichromacy



Original Color

61.8872, 0.4570, 0.4560

Protanomaly

61.9589, 0.4397, 0.4685

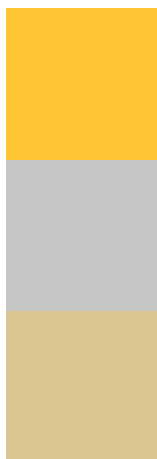
Deuteranomaly

61.6735, 0.4490, 0.4437

Tritanomaly

61.0346, 0.4033, 0.3771

Monochromacy



Original Color

61.8872, 0.4570, 0.4560

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

57.4926, 0.3708, 0.3910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.8872, 0.4570, 0.4560 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, 198, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 51)  
}
```

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, 198, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 51) }
```

Border

The CSS property to change the border of an element to Yxy 61.8872, 0.4570, 0.4560 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, 198, 51) }
```

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

```
.border{ border-color:rgb(255, 198, 51) }
```

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

Here you see how a box with a 4 pixel rgb(255, 198, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 61.8872, 0.4570, 0.4560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 51) }
```

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

```
.background{ background-color: rgb(255,  
198, 51) }
```

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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