

Converting Colors

$Y_{xy}(76.3034, 0.5057, 0.4294)$

Have a look what the booklet for
Yxy(76.3034, 0.5057, 0.4294)
contains.

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Color

Yxy(61.7637, 0.4618, 0.4621)

Conversions

Conversions Part 1

Format	Color
Hex	FFC622
RGB	255, 198, 34
RGB Percent	100%, 78%, 13%
CMY	0.0000, 0.2235, 0.8672
CMYK	0.00, 0.22, 0.87, 0.00
HSL	45°, 100%, 57%
HSV	45°, 87%, 100%
XYZ	61.7236, 61.7637, 10.1714
YIQ	196.3470, 86.6160, -38.9200

Conversions

Conversions Part 2

Format	Color
RYB	111, 255, 34
Decimal	16762402
CIELab	82.79, 7.18, 79.58
CIELCh	83, 79.898, 84.846
Yxy	61.7637, 0.4618, 0.4621
Android (android.graphics.Color)	4294952482 (0xFFffc622)
YUV	196.3470, -80.0371, 51.4387
Hunter-Lab	78.5899, 2.6596, 47.3394

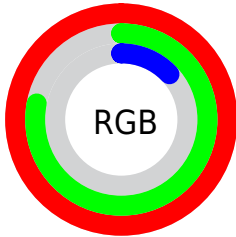
Details

The Yxy color **61.7637, 0.4618, 0.4621** 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 **15.0173, 0.1677, 0.1123**, and the grayscale version is **55.8651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0255, 0.3999, 0.4716**, and **31.5883, 0.4716, 0.4638** is the 20% darker color. If you saturate the color by 10%, you get **58.7290, 0.4720, 0.4619**, and if you desaturate by 10%, it is **65.0405, 0.4485, 0.4574**.

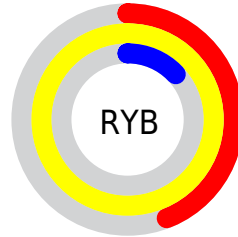
Distribution



Red (100%)

Green (78%)

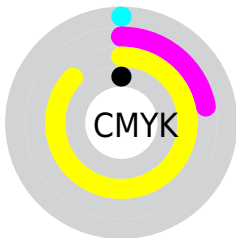
Blue (13%)



Red (44%)

Yellow (100%)

Blue (13%)

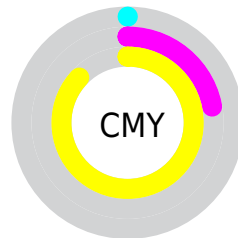


Cyan (0%)

Magenta (22%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (22%)

Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.7637, 0.4618, 0.4621 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 61.7637, 0.4618, 0.4621 by changing the saturation by 10% instead.


 61.7637, 0.4618,
0.4621


 61.7637, 0.4618,
0.4621


431.0686, 0.3990,
0.4089


 44.8418, 0.4728,
0.4705


 107.3839, 0.4424,
0.4464


 31.3328, 0.4844,
0.4786


 136.8511, 0.4341,
0.4395

 20.8524, 0.4958,
0.4855


 171.2687, 0.4267,
0.4331

 13.0162, 0.5082,
0.4918

 211.0213, 0.4200,
0.4273

 7.4397, 0.5125,
0.4875

 256.4931, 0.4139,
0.4221

 3.7386, 0.5188,
0.4812

 308.0687, 0.4085,

 1.5284, 0.5294,

0.4173

0.4706

366.1324, 0.4035,
0.4129

■ 0.3086, 0.6029,
0.3971

■ 0.0000, 0.0000,
0.0000

■ 61.7637, 0.4618,
0.4621

■ 61.7637, 0.4618,
0.4621

■ 58.7290, 0.4720,
0.4619

■ 65.0405, 0.4485,
0.4574

■ 57.7735, 0.4749,
0.4611

■ 68.5771, 0.4324,
0.4479

■ 72.3930, 0.4145,
0.4344

■ 76.5041, 0.3954,
0.4178

80.9242, 0.3762,
0.3993

85.6660, 0.3575,
0.3799

90.7413, 0.3396,
0.3604

96.1611, 0.3231,
0.3413

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.



61.7637, 0.5074, 0.3924



61.7637, 0.4618, 0.4621



61.7637, 0.3811, 0.5130

Triad

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



61.7637, 0.4618, 0.4621



61.7637, 0.1592, 0.2932



61.7637, 0.3110, 0.2133

Complementary

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



61.7637, 0.4618, 0.4621



15.0173, 0.1677, 0.1123

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.



61.7637, 0.2231, 0.1870



61.7637, 0.4618, 0.4621



61.7637, 0.1480, 0.2194

Square

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



61.7637, 0.4618, 0.4621



61.7637, 0.2071, 0.4052



61.7637, 0.1691, 0.1872



61.7637, 0.4158, 0.2617

Rectangle

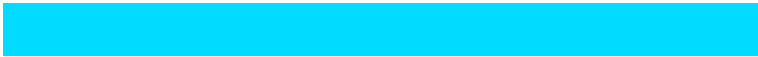
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61.7637, 0.4618, 0.4621



61.7637, 0.3193, 0.5143



61.7637, 0.1691, 0.1872



61.7637, 0.2784, 0.2018

Sweetspot

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



61.7653, 0.4618, 0.4621



86.0186, 0.3561, 0.3785



23.1842, 0.5510, 0.2918



18.0502, 0.3625, 0.3853



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.



61.7653, 0.4618, 0.4621



57.7735, 0.4749, 0.4611



84.3880, 0.3805, 0.5282



20.2515, 0.3276, 0.3465



30.4418, 0.4738, 0.4620



3.1402, 0.4662, 0.4681

Inverse Universe

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



15.0173, 0.1677, 0.1123



11.0844, 0.1576, 0.0874



10.3100, 0.1749, 0.0805



18.1387, 0.2979, 0.3108



5.9939, 0.1584, 0.0900



0.7508, 0.1642, 0.1111

Previews

White Background



This preview shows how the Yxy color 61.7637, 0.4618, 0.4621 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 61.7637, 0.4618, 0.4621 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 61.7637, 0.4618, 0.4621

Background



This preview shows how black text looks on a background with the Yxy color 61.7637, 0.4618, 0.4621.



This preview shows how white text looks on a background with the Yxy color 61.7637, 0.4618, 0.4621.

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

61.7637, 0.4618, 0.4621

Protanopia

61.9088, 0.4351, 0.4818

Deuteranopia

61.7866, 0.4450, 0.4386



Tritanopia

61.8253, 0.3590, 0.3177

Trichromacy



Original Color

61.7637, 0.4618, 0.4621

Protanomaly

61.8323, 0.4444, 0.4751

Deuteranomaly

61.5627, 0.4530, 0.4489

Tritanomaly

60.8527, 0.4082, 0.3832

Monochromacy



Original Color

61.7637, 0.4618, 0.4621

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

56.4904, 0.3756, 0.3996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.7637, 0.4618, 0.4621 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, 34)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 34)  
}
```

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, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 34) }
```

Border

The CSS property to change the border of an element to Yxy 61.7637, 0.4618, 0.4621 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, 34) }
```

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

```
.border{ border-color:rgb(255, 198, 34) }
```

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, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 34);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 61.7637, 0.4618, 0.4621 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, 34) }
```

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

```
.background{ background-color: rgb(255,  
198, 34) }
```

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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