

Converting Colors

$Y_{xy}(72.8513, 0.4379, 0.4723)$

Have a look what the booklet for
Yxy(72.8513, 0.4379, 0.4723)
contains.

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Color

Yxy(72.7034, 0.4381, 0.4720)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFDC35 |
| RGB | 255, 220, 53 |
| RGB Percent | 100%, 86%, 21% |
| CMY | 0.0000, 0.1373, 0.7920 |
| CMYK | 0.00, 0.14, 0.79, 0.00 |
| HSL | 50°, 100%, 60% |
| HSV | 50°, 79%, 100% |
| XYZ | 67.4817, 72.7034, 13.8475 |
| YIQ | 211.4270, 74.4670, -44.5170 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 95, 255, 53 |
| Decimal | 16768053 |
| CIE Lab | 88.31, -3.54, 79.26 |
| CIE LCh | 88, 79.340, 92.559 |
| Yxy | 72.7034, 0.4381, 0.4720 |
| Android (android.graphics.Color) | 4294958133 (0xFFFFDC35) |
| YUV | 211.4270, -78.1045, 38.2135 |
| Hunter-Lab | 85.2663, -7.9470, 50.0575 |

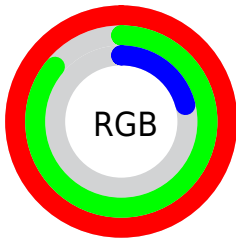
Details

The Yxy color **72.7034, 0.4381, 0.4720** 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 **14.9624, 0.1714, 0.1114**, and the grayscale version is **65.9304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9949, 0.3926, 0.4610**, and **38.3796, 0.4485, 0.4821** is the 20% darker color. If you saturate the color by 10%, you get **70.2384, 0.4474, 0.4769**, and if you desaturate by 10%, it is **75.3541, 0.4259, 0.4624**.

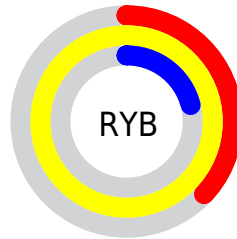
Distribution



Red (100%)

Green (86%)

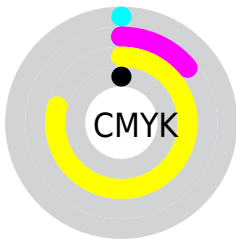
Blue (21%)



Red (37%)

Yellow (100%)

Blue (21%)

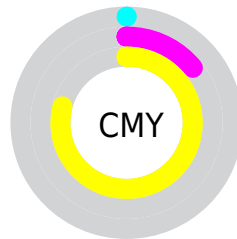


Cyan (0%)

Magenta (14%)

Yellow (79%)

Black (0%)



Cyan (0%)


Magenta (14%)

Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.7034, 0.4381, 0.4720 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 72.7034, 0.4381, 0.4720 by changing the saturation by 10% instead.


 72.7034, 0.4381,
0.4720


 72.7034, 0.4381,
0.4720


469.9862, 0.3873,
0.4127


 53.7335, 0.4467,
0.4825


 123.0561, 0.4227,
0.4537

 38.3886, 0.4557,
0.4938


 155.2076, 0.4160,
0.4458


 26.2844, 0.4644,
0.5051


 192.5217, 0.4100,
0.4388

 17.0366, 0.4736,
0.5179

 235.3830, 0.4045,
0.4325

 10.2606, 0.4759,
0.5241

 284.1756, 0.3996,
0.4268

 5.5721, 0.4733,
0.5267

339.2841, 0.3951,

 2.5867, 0.4692,

0.4216

0.5308

401.0928, 0.3910,
0.4170

■ 0.9200, 0.4612,
0.5388

■ 0.0000, 0.0000,
0.0000

■ 72.7034, 0.4381,
0.4720

■ 72.7034, 0.4381,
0.4720

■ 70.2384, 0.4474,
0.4769

■ 75.3541, 0.4259,
0.4624

■ 67.9330, 0.4539,
0.4774

■ 78.2087, 0.4113,
0.4486

■ 67.7536, 0.4544,
0.4774

■ 81.2823, 0.3951,
0.4313

■ 84.5879, 0.3778,
0.4116

■ 88.1376, 0.3604,
0.3906

■ 91.9422, 0.3432,
0.3691

■ 96.0120, 0.3269,
0.3479

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.



72.7034, 0.4911, 0.4087



72.7034, 0.4381, 0.4720



72.7034, 0.3568, 0.5065

Triad

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



72.7034, 0.4381, 0.4720



72.7034, 0.1607, 0.2740



72.7034, 0.3367, 0.2290

Complementary

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



72.7034, 0.4381, 0.4720



14.9624, 0.1714, 0.1114

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.



72.7034, 0.2467, 0.1977



72.7034, 0.4381, 0.4720



72.7034, 0.1578, 0.2141

Square

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



72.7034, 0.4381, 0.4720



72.7034, 0.1978, 0.3723



72.7034, 0.1861, 0.1912



72.7034, 0.4330, 0.2799

Rectangle

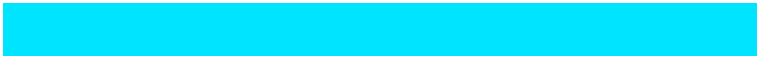
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.7034, 0.4381, 0.4720



72.7034, 0.2975, 0.4924



72.7034, 0.1861, 0.1912



72.7034, 0.3043, 0.2160

Sweetspot

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



72.7033, 0.4381, 0.4720



90.0849, 0.3514, 0.3794



24.5482, 0.5477, 0.3031



18.9949, 0.3575, 0.3871



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.



72.7033, 0.4381, 0.4720



68.8862, 0.4514, 0.4776



82.8593, 0.3686, 0.5275



20.5235, 0.3273, 0.3485



35.5989, 0.4537, 0.4779



3.6008, 0.4491, 0.4816

Inverse Universe

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



14.9624, 0.1714, 0.1114



10.0106, 0.1564, 0.0800



13.5501, 0.1960, 0.0996



17.8864, 0.2979, 0.3087



4.8683, 0.1543, 0.0752



0.6078, 0.1592, 0.0932

Previews

White Background



This preview shows how the Yxy color 72.7034, 0.4381, 0.4720 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 72.7034, 0.4381, 0.4720 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 72.7034, 0.4381, 0.4720

Background



This preview shows how black text looks on a background with the Yxy color 72.7034, 0.4381, 0.4720.



This preview shows how white text looks on a background with the Yxy color 72.7034, 0.4381, 0.4720.

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

72.7034, 0.4381, 0.4720

Protanopia

72.6486, 0.4317, 0.4762

Deuteranopia

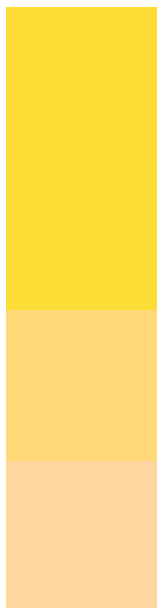
72.8404, 0.3840, 0.3886



Tritanopia

72.5736, 0.3388, 0.3180

Trichromacy



Original Color

72.7034, 0.4381, 0.4720

Protanomaly

72.4885, 0.4340, 0.4745

Deuteranomaly

72.2418, 0.4091, 0.4256

Tritanomaly

71.8912, 0.3833, 0.3847

Monochromacy



Original Color

72.7034, 0.4381, 0.4720

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.7571, 0.3653, 0.3961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7034, 0.4381, 0.4720 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, 220, 53)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 53)  
}
```

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, 220, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 53) }
```

Border

The CSS property to change the border of an element to Yxy 72.7034, 0.4381, 0.4720 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, 220, 53) }
```

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

```
.border{ border-color:rgb(255, 220, 53) }
```

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

Here you see how a box with a 4 pixel rgb(255, 220, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
53) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.7034, 0.4381, 0.4720$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 53) }
```

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

```
.background{ background-color: rgb(255,  
220, 53) }
```

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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