

Converting Colors

$Y_{xy}(70.5108, 0.4365, 0.4674)$

Have a look what the booklet for
Yxy(70.5108, 0.4365, 0.4674)
contains.

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Color

Yxy(70.6581, 0.4356, 0.4678)

Conversions

Conversions Part 1

Format	Color
Hex	FCD93D
RGB	252, 217, 61
RGB Percent	99%, 85%, 24%
CMY	0.0119, 0.1490, 0.7606
CMYK	0.00, 0.14, 0.76, 0.01
HSL	49°, 97%, 61%
HSV	49°, 76%, 99%
XYZ	65.7945, 70.6581, 14.5908
YIQ	209.6810, 70.9360, -41.0960

Conversions

Conversions Part 2

Format	Color
RYB	104, 252, 61
Decimal	16570685
CIELab	87.32, -3.04, 75.79
CIElCh	87, 75.851, 92.293
Yxy	70.6581, 0.4356, 0.4678
Android (android.graphics.Color)	4294760765 (0xFFFC93D)
YUV	209.6810, -73.2997, 37.1138
Hunter-Lab	84.0584, -7.3859, 48.5493

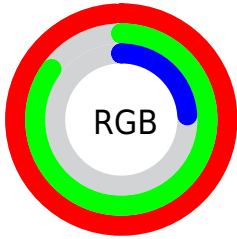
Details

The Yxy color **70.6581, 0.4356, 0.4678** is a light color, and the websafe version is hex **FFCC33**.

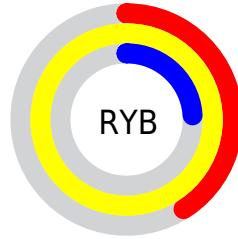
The color can be described as light washed yellow. A complement of this color would be **16.3867, 0.1766, 0.1222**, and the grayscale version is **64.6871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1119, 0.3903, 0.4572**, and **37.2708, 0.4478, 0.4826** is the 20% darker color. If you saturate the color by 10%, you get **68.1049, 0.4463, 0.4742**, and if you desaturate by 10%, it is **73.4120, 0.4222, 0.4568**.

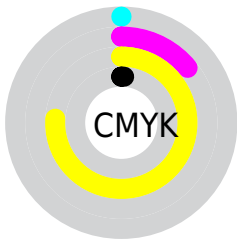
Distribution



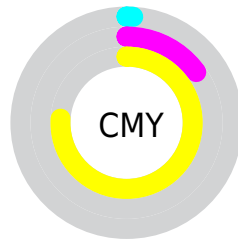
- Red (99%)
- Green (85%)
- Blue (24%)



- Red (41%)
- Yellow (99%)
- Blue (24%)



- Cyan (0%)
- Magenta (14%)
- Yellow (76%)
- Black (1%)





- Cyan (1%)
- Magenta (15%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6581, 0.4356, 0.4678 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 70.6581, 0.4356, 0.4678 by changing the saturation by 10% instead.


 70.6581, 0.4356,
0.4678


 70.6581, 0.4356,
0.4678


462.8573, 0.3849,
0.4095

 52.0632, 0.4445,
0.4784


 120.1468, 0.4200,
0.4495


 37.0555, 0.4539,
0.4899


 151.8094, 0.4133,
0.4418

 25.2504, 0.4632,
0.5017


 188.5967, 0.4073,
0.4349

 16.2637, 0.4728,
0.5144

 230.8930, 0.4019,
0.4287

 9.7110, 0.4773,
0.5227

 279.0829, 0.3970,
0.4231

 5.2078, 0.4750,
0.5250

333.5506, 0.3926,

 2.3697, 0.4713,

0.4181

0.5287

394.6807, 0.3886,
0.4136

■ 0.8102, 0.4621,
0.5379

■ 0.0000, 0.0000,
0.0000

■ 70.6581, 0.4356,
0.4678

■ 70.6581, 0.4356,
0.4678

■ 68.1049, 0.4463,
0.4742

■ 73.4120, 0.4222,
0.4568

■ 65.7221, 0.4540,
0.4759

■ 76.3728, 0.4066,
0.4418

■ 64.7551, 0.4566,
0.4756

■ 79.5579, 0.3897,
0.4237


■ 82.9797, 0.3721,
0.4037

 86.6496, 0.3545,
0.3826

 90.5779, 0.3376,
0.3614

 94.7743, 0.3215,
0.3406

 98.7471, 0.3109,
0.3280

 99.4309, 0.3108,
0.3290

Harmonies

Analogous

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



70.6581, 0.4860, 0.4068



70.6581, 0.4356, 0.4678



70.6581, 0.3571, 0.5001

Triad

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



70.6581, 0.4356, 0.4678



70.6581, 0.1652, 0.2770



70.6581, 0.3353, 0.2315

Complementary

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



70.6581, 0.4356, 0.4678



16.3867, 0.1766, 0.1222

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.



70.6581, 0.2482, 0.2011



70.6581, 0.4356, 0.4678



70.6581, 0.1619, 0.2181

Square

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



70.6581, 0.4356, 0.4678



70.6581, 0.2020, 0.3719



70.6581, 0.1893, 0.1952



70.6581, 0.4282, 0.2811

Rectangle

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



70.6581, 0.4356, 0.4678



70.6581, 0.2994, 0.4863



70.6581, 0.1893, 0.1952



70.6581, 0.3040, 0.2189

Sweetspot

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



70.6615, 0.4356, 0.4678



90.1199, 0.3498, 0.3767



24.8784, 0.5333, 0.3021



18.9855, 0.3560, 0.3844



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.



70.6615, 0.4356, 0.4678



68.6641, 0.4507, 0.4756



81.0859, 0.3685, 0.5218



19.6184, 0.3273, 0.3482



33.9405, 0.4559, 0.4762



3.2791, 0.4507, 0.4803

Inverse Universe

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



16.3867, 0.1766, 0.1222



11.2329, 0.1597, 0.0883



14.4704, 0.2013, 0.1071



17.1570, 0.2979, 0.3090



4.8370, 0.1547, 0.0768



0.5832, 0.1601, 0.0963

Previews

White Background



This preview shows how the Yxy color 70.6581, 0.4356, 0.4678 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 70.6581, 0.4356, 0.4678 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 70.6581, 0.4356, 0.4678

Background



This preview shows how black text looks on a background with the Yxy color 70.6581, 0.4356, 0.4678.



This preview shows how white text looks on a background with the Yxy color 70.6581, 0.4356, 0.4678.

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

70.6581, 0.4356, 0.4678

Protanopia

70.6037, 0.4292, 0.4719

Deuteranopia

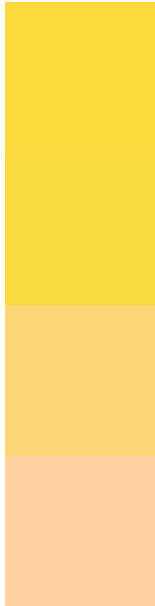
70.4851, 0.3928, 0.3948



Tritanopia

70.4646, 0.3416, 0.3169

Trichromacy



Original Color

70.6581, 0.4356, 0.4678

Protanomaly

70.4471, 0.4315, 0.4701

Deuteranomaly

70.4249, 0.4125, 0.4268

Tritanomaly

69.7372, 0.3833, 0.3799

Monochromacy



Original Color

70.6581, 0.4356, 0.4678

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.9964, 0.3626, 0.3932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6581, 0.4356, 0.4678 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(252, 217, 61)` looks like.

```
.text, #text, p{  
    color:rgb(252, 217, 61)  
}
```

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(252, 217, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 217, 61) }
```

Border

The CSS property to change the border of an element to Yxy 70.6581, 0.4356, 0.4678 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(252, 217, 61) }
```

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

```
.border{ border-color:rgb(252, 217, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 217, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 217, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 217, 61);  
box-shadow:4px 4px 4px 4px rgb(252, 217,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6581, 0.4356, 0.4678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 217, 61) }
```

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

```
.background{ background-color: rgb(252,  
217, 61) }
```

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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