

Converting Colors

$Y_{xy}(72.8536, 0.4384, 0.4731)$

Have a look what the booklet for
Yxy(72.8536, 0.4384, 0.4731)
contains.

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Color

Yxy(72.6854, 0.4386, 0.4728)

Conversions

Conversions Part 1

Format	Color
Hex	FFDC33
RGB	255, 220, 51
RGB Percent	100%, 86%, 20%
CMY	0.0001, 0.1372, 0.7995
CMYK	0.00, 0.14, 0.80, 0.00
HSL	50°, 100%, 60%
HSV	50°, 80%, 100%
XYZ	67.4277, 72.6854, 13.6208
YIQ	211.1990, 75.1090, -45.1390

Conversions

Conversions Part 2

Format	Color
R _Y B	93, 255, 51
Decimal	16768051
CIE Lab	88.30, -3.62, 79.80
CIE LCh	88, 79.880, 92.601
Yxy	72.6854, 0.4386, 0.4728
Android (android.graphics.Color)	4294958131 (0xFFFFDC33)
YUV	211.1990, -78.9781, 38.4135
Hunter-Lab	85.2557, -8.0241, 50.2066

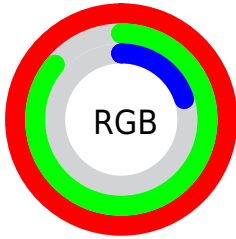
Details

The Yxy color **72.6854, 0.4386, 0.4728** 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 **14.5955, 0.1704, 0.1093**, and the grayscale version is **65.7845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9499, 0.3935, 0.4625**, and **38.3796, 0.4485, 0.4821** is the 20% darker color. If you saturate the color by 10%, you get **70.2556, 0.4476, 0.4774**, and if you desaturate by 10%, it is **75.3055, 0.4267, 0.4635**.

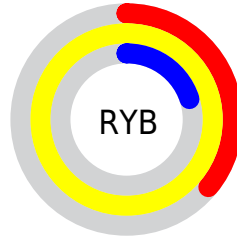
Distribution



Red (100%)

Green (86%)

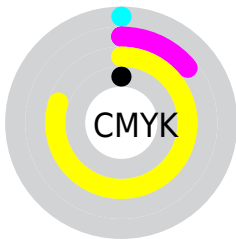
Blue (20%)



Red (36%)

Yellow (100%)

Blue (20%)

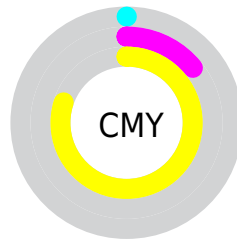


Cyan (0%)

Magenta (14%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (14%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.6854, 0.4386, 0.4728 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 72.6854, 0.4386, 0.4728 by changing the saturation by 10% instead.


 72.6854, 0.4386,
0.4728

 72.6854, 0.4386,
0.4728


469.9237, 0.3878,
0.4133

 53.7188, 0.4472,
0.4833

 123.0305, 0.4232,
0.4544

 38.3769, 0.4561,
0.4945


 155.1777, 0.4165,
0.4466


 26.2753, 0.4646,
0.5058


 192.4873, 0.4105,
0.4395

 17.0297, 0.4739,
0.5187

 235.3436, 0.4050,
0.4332

 10.2557, 0.4756,
0.5244

 284.1310, 0.4001,
0.4274

 5.5688, 0.4730,
0.5270

339.2338, 0.3956,

 2.5847, 0.4687,

0.4223

0.5313

401.0366, 0.3915,
0.4176

■ 0.9190, 0.4606,
0.5394

■ 0.0000, 0.0000,
0.0000

■ 72.6854, 0.4386,
0.4728

■ 72.6854, 0.4386,
0.4728

■ 70.2556, 0.4476,
0.4774

■ 75.3055, 0.4267,
0.4635

■ 67.9764, 0.4540,
0.4777

■ 78.1234, 0.4123,
0.4500

■ 67.9656, 0.4540,
0.4777

■ 81.1579, 0.3962,
0.4329

■ 84.4222, 0.3791,
0.4133

 87.9285, 0.3616,
0.3923

 91.6876, 0.3445,
0.3708

 95.7097, 0.3281,
0.3495

99.9964, 0.3127,
0.3290

Harmonies

Analogous

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



72.6854, 0.4921, 0.4090



72.6854, 0.4386, 0.4728



72.6854, 0.3568, 0.5077

Triad

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



72.6854, 0.4386, 0.4728



72.6854, 0.1598, 0.2734



72.6854, 0.3370, 0.2284

Complementary

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



72.6854, 0.4386, 0.4728



14.5955, 0.1704, 0.1093

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.



72.6854, 0.2463, 0.1970



72.6854, 0.4386, 0.4728



72.6854, 0.1570, 0.2133

Square

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



72.6854, 0.4386, 0.4728



72.6854, 0.1970, 0.3725



72.6854, 0.1854, 0.1905



72.6854, 0.4339, 0.2796

Rectangle

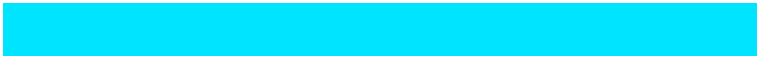
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.6854, 0.4386, 0.4728



72.6854, 0.2972, 0.4936



72.6854, 0.1854, 0.1905



72.6854, 0.3043, 0.2154

Sweetspot

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



72.6889, 0.4386, 0.4728



90.1500, 0.3514, 0.3795



24.3473, 0.5508, 0.3034



19.0107, 0.3575, 0.3872



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.



72.6889, 0.4386, 0.4728



68.8751, 0.4516, 0.4779



82.7497, 0.3686, 0.5287



20.5292, 0.3273, 0.3485



35.7143, 0.4533, 0.4783



3.6110, 0.4488, 0.4819

Inverse Universe

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



14.5955, 0.1704, 0.1093



9.7589, 0.1558, 0.0783



13.2877, 0.1949, 0.0981



17.8812, 0.2979, 0.3087



4.8496, 0.1542, 0.0750



0.6052, 0.1591, 0.0929

Previews

White Background



This preview shows how the Yxy color 72.6854, 0.4386, 0.4728 looks on a white background.

Color Contrast Check

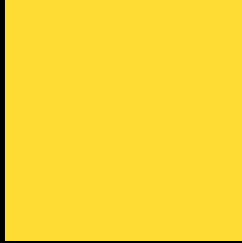
Large Text (above 18pt) WCAG AA × Fail

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 72.6854, 0.4386, 0.4728 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 72.6854, 0.4386, 0.4728

Background



This preview shows how black text looks on a background with the Yxy color 72.6854, 0.4386, 0.4728.



This preview shows how white text looks on a background with the Yxy color 72.6854, 0.4386, 0.4728.

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

72.6854, 0.4386, 0.4728

Protanopia

72.6302, 0.4323, 0.4771

Deuteranopia

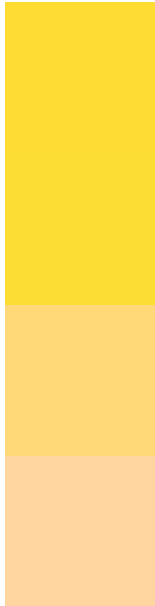
72.3295, 0.3844, 0.3877



Tritanopia

72.5736, 0.3388, 0.3180

Trichromacy



Original Color

72.6854, 0.4386, 0.4728

Protanomaly

72.4701, 0.4346, 0.4753

Deuteranomaly

72.2176, 0.4097, 0.4265

Tritanomaly

71.8563, 0.3840, 0.3857

Monochromacy



Original Color

72.6854, 0.4386, 0.4728

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.7239, 0.3660, 0.3972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6854, 0.4386, 0.4728 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 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, 220, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 51) }
```

Border

The CSS property to change the border of an element to Yxy 72.6854, 0.4386, 0.4728 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, 51) }
```

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

```
.border{ border-color:rgb(255, 220, 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, 220, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
51) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.6854, 0.4386, 0.4728$ 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, 51) }
```

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

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