

Converting Colors

$Y_{xy}(72.7953, 0.4372, 0.4710)$

Have a look what the booklet for
Yxy(72.7953, 0.4372, 0.4710)
contains.

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Color

Yxy(72.7319, 0.4372, 0.4708)

Conversions

Conversions Part 1

Format	Color
Hex	FFDC38
RGB	255, 220, 56
RGB Percent	100%, 86%, 22%
CMY	0.0001, 0.1372, 0.7806
CMYK	0.00, 0.14, 0.78, 0.00
HSL	49°, 100%, 61%
HSV	49°, 78%, 100%
XYZ	67.5412, 72.7319, 14.2127
YIQ	211.7690, 73.5040, -43.5840

Conversions

Conversions Part 2

Format	Color
R _Y B	98, 255, 56
Decimal	16768056
CIE Lab	88.32, -3.47, 78.41
CIE LCh	88, 78.484, 92.534
Yxy	72.7319, 0.4372, 0.4708
Android (android.graphics.Color)	4294958136 (0xFFFFDC38)
YUV	211.7690, -76.7941, 37.9136
Hunter-Lab	85.2830, -7.8794, 49.8172

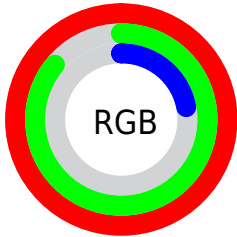
Details

The Yxy color **72.7319, 0.4372, 0.4708** 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 **15.5259, 0.1730, 0.1148**, and the grayscale version is **66.1575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0410, 0.3917, 0.4595**, and **38.3796, 0.4485, 0.4821** is the 20% darker color. If you saturate the color by 10%, you get **70.2261, 0.4469, 0.4762**, and if you desaturate by 10%, it is **75.4345, 0.4246, 0.4607**.

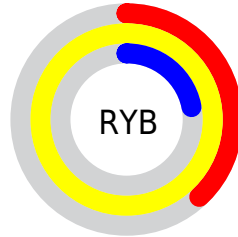
Distribution



Red (100%)

Green (86%)

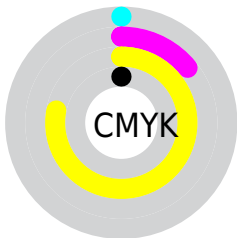
Blue (22%)



Red (38%)

Yellow (100%)

Blue (22%)

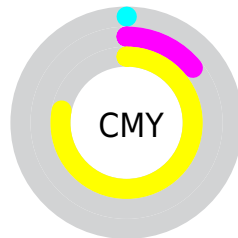


Cyan (0%)

Magenta (14%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (14%)


Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.7319, 0.4372, 0.4708 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 72.7319, 0.4372, 0.4708 by changing the saturation by 10% instead.


 72.7319, 0.4372,
0.4708

 72.7319, 0.4372,
0.4708


470.0851, 0.3866,
0.4119

 53.7568, 0.4459,
0.4813


 123.0965, 0.4218,
0.4525

 38.4072, 0.4549,
0.4926


 155.2548, 0.4151,
0.4447


 26.2989, 0.4638,
0.5041


 192.5763, 0.4091,
0.4377

 17.0474, 0.4729,
0.5167

 235.4453, 0.4037,
0.4315

 10.2683, 0.4761,
0.5239

 284.2463, 0.3988,
0.4258

 5.5772, 0.4736,
0.5264

339.3637, 0.3943,

 2.5897, 0.4695,

0.4207

0.5305

401.1818, 0.3903,
0.4161

■ 0.9215, 0.4618,
0.5382

■ 0.0000, 0.0000,
0.0000

■ 72.7319, 0.4372,
0.4708

■ 72.7319, 0.4372,
0.4708

■ 70.2261, 0.4469,
0.4762

■ 75.4345, 0.4246,
0.4607

■ 67.8831, 0.4538,
0.4771

■ 78.3409, 0.4098,
0.4465

■ 67.4410, 0.4549,
0.4770

■ 81.4695, 0.3933,
0.4289

■ 84.8333, 0.3759,
0.4091

■ 88.4441, 0.3584,
0.3880

■ 92.3127, 0.3413,
0.3665

■ 96.4493, 0.3251,
0.3454

99.9966, 0.3127,
0.3290

Harmonies

Analogous

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



72.7319, 0.4895, 0.4082



72.7319, 0.4372, 0.4708



72.7319, 0.3568, 0.5045

Triad

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



72.7319, 0.4372, 0.4708



72.7319, 0.1620, 0.2748



72.7319, 0.3364, 0.2298

Complementary

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



72.7319, 0.4372, 0.4708



15.5259, 0.1730, 0.1148

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.



72.7319, 0.2473, 0.1988



72.7319, 0.4372, 0.4708



72.7319, 0.1591, 0.2153

Square

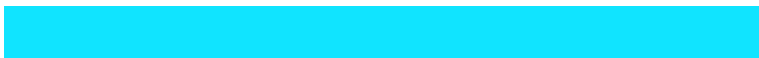
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.7319, 0.4372, 0.4708



72.7319, 0.1990, 0.3720



72.7319, 0.1872, 0.1924



72.7319, 0.4316, 0.2804

Rectangle

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



72.7319, 0.4372, 0.4708



72.7319, 0.2980, 0.4904



72.7319, 0.1872, 0.1924



72.7319, 0.3043, 0.2170

Sweetspot

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



72.7354, 0.4372, 0.4708



90.3824, 0.3497, 0.3771



24.8603, 0.5430, 0.3027



19.0499, 0.3559, 0.3849



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.



72.7354, 0.4372, 0.4708



68.8273, 0.4513, 0.4772



82.9941, 0.3686, 0.5257



20.5157, 0.3274, 0.3484



35.4432, 0.4543, 0.4775



3.5870, 0.4496, 0.4812

Inverse Universe

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



15.5259, 0.1730, 0.1148



10.2913, 0.1572, 0.0819



13.9623, 0.1977, 0.1020



17.8935, 0.2979, 0.3088



4.8939, 0.1543, 0.0756



0.6113, 0.1594, 0.0936

Previews

White Background



This preview shows how the Yxy color 72.7319, 0.4372, 0.4708 looks on a white background.

Color Contrast Check

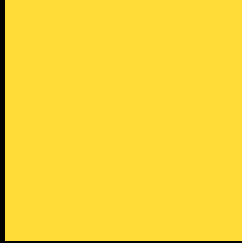
Large Text (above 18pt) WCAG AA × Fail

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 72.7319, 0.4372, 0.4708 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 72.7319, 0.4372, 0.4708

Background



This preview shows how black text looks on a background with the Yxy color 72.7319, 0.4372, 0.4708.



This preview shows how white text looks on a background with the Yxy color 72.7319, 0.4372, 0.4708.

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

72.7319, 0.4372, 0.4708

Protanopia

72.6777, 0.4308, 0.4749

Deuteranopia

72.8404, 0.3840, 0.3886



Tritanopia

72.5736, 0.3388, 0.3180

Trichromacy



Original Color

72.7319, 0.4372, 0.4708

Protanomaly

72.5175, 0.4331, 0.4731

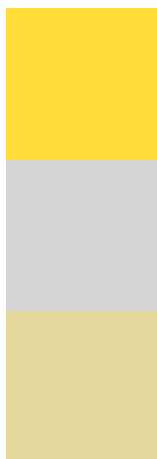
Deuteranomaly

72.2662, 0.4085, 0.4247

Tritanomaly

71.9263, 0.3826, 0.3837

Monochromacy



Original Color

72.7319, 0.4372, 0.4708

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.4614, 0.3650, 0.3958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7319, 0.4372, 0.4708 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, 56)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 56)  
}
```

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, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 56) }
```

Border

The CSS property to change the border of an element to Yxy 72.7319, 0.4372, 0.4708 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, 56) }
```

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

```
.border{ border-color:rgb(255, 220, 56) }
```

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, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 72.7319, 0.4372, 0.4708 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, 56) }
```

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

```
.background{ background-color: rgb(255,  
220, 56) }
```

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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