

Converting Colors

$Y_{xy}(72.6071, 0.4423, 0.4782)$

Have a look what the booklet for
Yxy(72.6071, 0.4423, 0.4782)
contains.

Yxy(72.5677, 0.4424, 0.4782)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.5677, 0.4424, 0.4782)

Conversions

Conversions Part 1

Format	Color
Hex	FFDC23
RGB	255, 220, 35
RGB Percent	100%, 86%, 14%
CMY	0.0000, 0.1372, 0.8632
CMYK	0.00, 0.14, 0.86, 0.00
HSL	50°, 100%, 57%
HSV	50°, 86%, 100%
XYZ	67.1350, 72.5677, 12.0491
YIQ	209.3750, 80.2450, -50.1150

Conversions

Conversions Part 2

Format	Color
RYB	77, 255, 35
Decimal	16768035
CIELab	88.24, -4.03, 83.71
CIELCh	88, 83.803, 92.755
Yxy	72.5677, 0.4424, 0.4782
Android (android.graphics.Color)	4294958115 (0xFFFFDC23)
YUV	209.3750, -85.9669, 40.0131
Hunter-Lab	85.1867, -8.4022, 51.2445

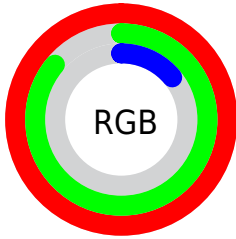
Details

The Yxy color **72.5677, 0.4424, 0.4782** is a light color, and the websafe version is hex **FFCC00**.

The color can be described as light washed yellow. A complement of this color would be **11.9403, 0.1626, 0.0928**, and the grayscale version is **64.5462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7393, 0.3978, 0.4696**, and **38.2477, 0.4475, 0.4829** is the 20% darker color. If you saturate the color by 10%, you get **70.3688, 0.4491, 0.4801**, and if you desaturate by 10%, it is **74.9347, 0.4327, 0.4718**.

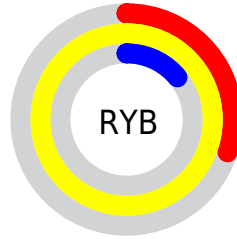
Distribution



Red (100%)

Green (86%)

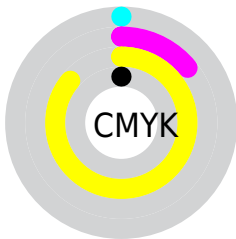
Blue (14%)



Red (30%)

Yellow (100%)

Blue (14%)

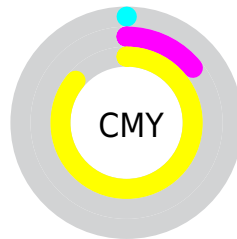


Cyan (0%)

Magenta (14%)

Yellow (86%)

Black (0%)



Cyan (0%)


Magenta (14%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.5677, 0.4424, 0.4782 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 72.5677, 0.4424, 0.4782 by changing the saturation by 10% instead.


 72.5677, 0.4424,
0.4782


 72.5677, 0.4424,
0.4782


469.5152, 0.3909,
0.4173


 53.6226, 0.4507,
0.4886


 122.8633, 0.4271,
0.4597

 38.3000, 0.4591,
0.4995


 154.9826, 0.4204,
0.4517


 26.2156, 0.4668,
0.5102


 192.2620, 0.4143,
0.4444

 16.9850, 0.4763,
0.5237

 235.0859, 0.4087,
0.4379

 10.2238, 0.4743,
0.5257

 283.8388, 0.4036,
0.4320

 5.5476, 0.4713,
0.5287

 338.9051, 0.3990,

 2.5720, 0.4666,

0.4266

0.5334

400.6690, 0.3948,
0.4218

■ 0.9126, 0.4572,
0.5428

■ 0.0000, 0.0000,
0.0000

■ 72.5677, 0.4424,
0.4782

■ 72.5677, 0.4424,
0.4782

■ 70.3688, 0.4491,
0.4801


■ 74.9347, 0.4327,
0.4718

■ 69.5873, 0.4511,
0.4800


■ 77.4803, 0.4203,
0.4607


■ 80.2246, 0.4056,
0.4456

■ 83.1820, 0.3894,
0.4273

 86.3653, 0.3723,
0.4069

 89.7860, 0.3551,
0.3853

 93.4546, 0.3383,
0.3635

 97.3809, 0.3223,
0.3421

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



72.5677, 0.4993, 0.4109



72.5677, 0.4424, 0.4782



72.5677, 0.3569, 0.5167

Triad

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



72.5677, 0.4424, 0.4782



72.5677, 0.1536, 0.2697



72.5677, 0.3383, 0.2246

Complementary

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



72.5677, 0.4424, 0.4782



11.9403, 0.1626, 0.0928

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.



72.5677, 0.2436, 0.1921



72.5677, 0.4424, 0.4782



72.5677, 0.1512, 0.2079

Square

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



72.5677, 0.4424, 0.4782



72.5677, 0.1914, 0.3737



72.5677, 0.1806, 0.1850



72.5677, 0.4403, 0.2775

Rectangle

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



72.5677, 0.4424, 0.4782



72.5677, 0.2950, 0.5026



72.5677, 0.1806, 0.1850



72.5677, 0.3041, 0.2112

Sweetspot

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



72.5712, 0.4424, 0.4782



89.8999, 0.3546, 0.3846



22.9175, 0.5800, 0.3092



18.9822, 0.3605, 0.3922



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.



72.5712, 0.4424, 0.4782



69.5880, 0.4511, 0.4800



81.5398, 0.3655, 0.5392



20.5699, 0.3273, 0.3488



36.5453, 0.4505, 0.4805



3.6843, 0.4464, 0.4838

Inverse Universe

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



11.9403, 0.1626, 0.0928



8.7740, 0.1532, 0.0714



11.6197, 0.1883, 0.0880



17.8439, 0.2979, 0.3084



4.7217, 0.1537, 0.0733



0.5873, 0.1585, 0.0905

Previews

White Background



This preview shows how the Yxy color 72.5677, 0.4424, 0.4782 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 72.5677, 0.4424, 0.4782 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 72.5677, 0.4424, 0.4782

Background



This preview shows how black text looks on a background with the Yxy color 72.5677, 0.4424, 0.4782.



This preview shows how white text looks on a background with the Yxy color 72.5677, 0.4424, 0.4782.

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

72.5677, 0.4424, 0.4782

Protanopia

72.6879, 0.4370, 0.4824

Deuteranopia

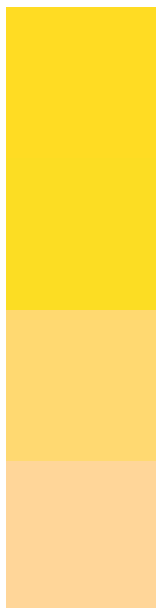
72.2952, 0.3851, 0.3887



Tritanopia

72.5736, 0.3388, 0.3180

Trichromacy



Original Color

72.5677, 0.4424, 0.4782

Protanomaly

72.5297, 0.4393, 0.4806

Deuteranomaly

72.0780, 0.4134, 0.4316

Tritanomaly

71.6530, 0.3884, 0.3917

Monochromacy



Original Color

72.5677, 0.4424, 0.4782

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

65.8326, 0.3705, 0.4041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.5677, 0.4424, 0.4782 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, 35)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 35)  
}
```

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, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 35) }
```

Border

The CSS property to change the border of an element to Yxy 72.5677, 0.4424, 0.4782 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, 35) }
```

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

```
.border{ border-color:rgb(255, 220, 35) }
```

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, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 35);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
35) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.5677, 0.4424, 0.4782$ 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, 35) }
```

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

```
.background{ background-color: rgb(255,  
220, 35) }
```

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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