

Converting Colors

Yxy(64.9343, 0.4573, 0.4698)

Have a look what the booklet for
Yxy(64.9343, 0.4573, 0.4698)
contains.

Yxy(64.9886, 0.4572, 0.4699)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.9886, 0.4572, 0.4699)

Conversions

Conversions Part 1

Format	Color
Hex	FFCD18
RGB	255, 205, 24
RGB Percent	100%, 80%, 9%
CMY	0.0001, 0.1960, 0.9053
CMYK	0.00, 0.20, 0.91, 0.00
HSL	47°, 100%, 55%
HSV	47°, 91%, 100%
XYZ	63.2322, 64.9886, 10.0823
YIQ	199.3160, 87.9010, -45.6910

Conversions

Conversions Part 2

Format	Color
R _Y B	88, 255, 24
Decimal	16764184
CIE Lab	84.48, 3.39, 82.76
CIE LCh	84, 82.825, 87.653
Yxy	64.9886, 0.4572, 0.4699
Android (android.graphics.Color)	4294954264 (0xFFFFCD18)
YUV	199.3160, -86.4308, 48.8349
Hunter-Lab	80.6155, -1.0676, 49.0157

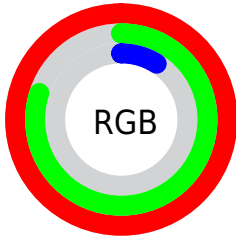
Details

The Yxy color **64.9886, 0.4572, 0.4699** 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 **12.3262, 0.1618, 0.0955**, and the grayscale version is **57.8274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5882, 0.4009, 0.4748**, and **33.4707, 0.4640, 0.4698** is the 20% darker color. If you saturate the color by 10%, you get **62.4670, 0.4646, 0.4693**, and if you desaturate by 10%, it is **67.8400, 0.4467, 0.4664**.

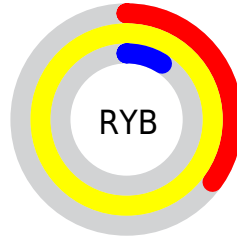
Distribution



Red (100%)

Green (80%)

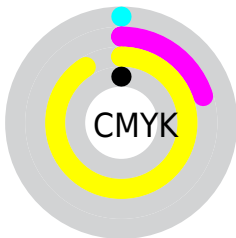
Blue (9%)



Red (35%)

Yellow (100%)

Blue (9%)

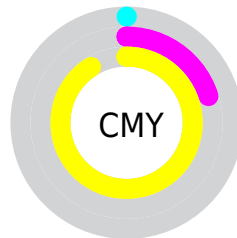


Cyan (0%)

Magenta (20%)

Yellow (91%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9886, 0.4572, 0.4699 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 64.9886, 0.4572, 0.4699 by changing the saturation by 10% instead.


 64.9886, 0.4572,
0.4699


 64.9886, 0.4572,
0.4699

442.7510, 0.3980,
0.4136

 47.4518, 0.4671,
0.4789


 112.0335, 0.4393,
0.4532

 33.3930, 0.4773,
0.4878


 142.3104, 0.4315,
0.4459


 22.4277, 0.4871,
0.4957


 177.6028, 0.4244,
0.4391

 14.1715, 0.4970,
0.5030

 218.2950, 0.4181,
0.4330

 8.2400, 0.4989,
0.5011

 264.7716, 0.4123,
0.4275

 4.2489, 0.5017,
0.4983

 317.4169, 0.4071,

 1.8138, 0.5064,

0.4224

0.4936

376.6152, 0.4023,
0.4178

■ 0.4957, 0.5277,
0.4723

■ 0.0000, 0.0000,
0.0000

■ 64.9886, 0.4572,
0.4699

■ 64.9886, 0.4572,
0.4699


■ 62.4670, 0.4646,
0.4693


■ 67.8400, 0.4467,
0.4664

■ 70.9043, 0.4333,
0.4580


■ 74.2035, 0.4175,
0.4453

■ 77.7534, 0.4001,
0.4290

 81.5679, 0.3819,
0.4104

 85.6595, 0.3636,
0.3904

 90.0396, 0.3459,
0.3698

 94.7190, 0.3291,
0.3496

99.7075, 0.3135,
0.3300

Harmonies

Analogous

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



64.9886, 0.5085, 0.3994



64.9886, 0.4572, 0.4699



64.9886, 0.3731, 0.5187

Triad

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



64.9886, 0.4572, 0.4699



64.9886, 0.1542, 0.2832



64.9886, 0.3206, 0.2152

Complementary

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



64.9886, 0.4572, 0.4699



12.3262, 0.1618, 0.0955

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.



64.9886, 0.2285, 0.1863



64.9886, 0.4572, 0.4699



64.9886, 0.1463, 0.2127

Square

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



64.9886, 0.4572, 0.4699



64.9886, 0.1989, 0.3954



64.9886, 0.1706, 0.1838



64.9886, 0.4271, 0.2660

Rectangle

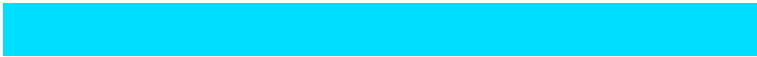
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.9886, 0.4572, 0.4699



64.9886, 0.3100, 0.5152



64.9886, 0.1706, 0.1838



64.9886, 0.2867, 0.2029

Sweetspot

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



64.9918, 0.4572, 0.4699



87.1889, 0.3573, 0.3831



22.4117, 0.5801, 0.3037



18.3486, 0.3634, 0.3901



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.



64.9918, 0.4572, 0.4699



62.4778, 0.4646, 0.4693



82.4666, 0.3721, 0.5379



20.3841, 0.3275, 0.3475



32.8746, 0.4637, 0.4700



3.3586, 0.4576, 0.4749

Inverse Universe

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



12.3262, 0.1618, 0.0955



9.9710, 0.1555, 0.0798



10.0285, 0.1763, 0.0784



18.0150, 0.2979, 0.3098



5.3861, 0.1562, 0.0822



0.6760, 0.1616, 0.1019

Previews

White Background



This preview shows how the Yxy color 64.9886, 0.4572, 0.4699 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 64.9886, 0.4572, 0.4699 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 64.9886, 0.4572, 0.4699

Background



This preview shows how black text looks on a background with the Yxy color 64.9886, 0.4572, 0.4699.



This preview shows how white text looks on a background with the Yxy color 64.9886, 0.4572, 0.4699.

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

64.9886, 0.4572, 0.4699

Protanopia

65.3387, 0.4376, 0.4847

Deuteranopia

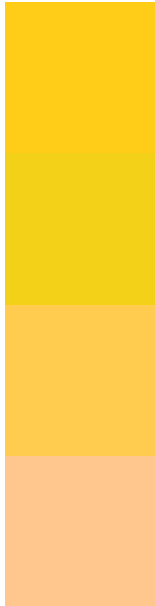
65.0977, 0.4237, 0.4217



Tritanopia

64.7952, 0.3521, 0.3168

Trichromacy



Original Color

64.9886, 0.4572, 0.4699

Protanomaly

64.9042, 0.4450, 0.4791

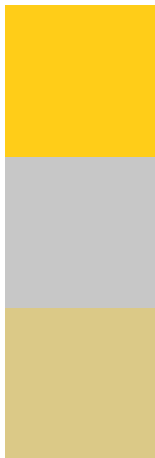
Deuteranomaly

65.0102, 0.4406, 0.4458

Tritanomaly

64.0299, 0.4039, 0.3891

Monochromacy



Original Color

64.9886, 0.4572, 0.4699

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

58.5826, 0.3772, 0.4057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9886, 0.4572, 0.4699 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, 205, 24)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 24)  
}
```

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, 205, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 24) }
```

Border

The CSS property to change the border of an element to Yxy 64.9886, 0.4572, 0.4699 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, 205, 24) }
```

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

```
.border{ border-color:rgb(255, 205, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 24);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9886, 0.4572, 0.4699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 24) }
```

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

```
.background{ background-color: rgb(255,  
205, 24) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor