

Converting Colors

$Y_{xy}(64.3609, 0.4454, 0.4846)$

Have a look what the booklet for
Yxy(64.3609, 0.4454, 0.4846)
contains.

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Color

Yxy(64.3017, 0.4453, 0.4847)

Conversions

Conversions Part 1

Format	Color
Hex	F1D100
RGB	241, 209, 0
RGB Percent	95%, 82%, 0%
CMY	0.0549, 0.1804, 1.0000
CMYK	0.00, 0.13, 1.00, 0.05
HSL	52°, 100%, 47%
HSV	52°, 100%, 95%
XYZ	59.0748, 64.3017, 9.2864
YIQ	194.7420, 86.1610, -58.2150

Conversions

Conversions Part 2

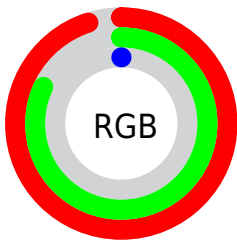
Format	Color
R_{YB}	37, 241, 0
Decimal	15847680
CIE Lab	84.12, -4.86, 84.59
CIE LCh	84, 84.729, 93.289
Yxy	64.3017, 0.4453, 0.4847
Android (android.graphics.Color)	4294037760 (0xFFFF1D100)
YUV	194.7420, -96.0078, 40.5683
Hunter-Lab	80.1883, -8.8286, 49.2656

Details

The Yxy color **64.3017, 0.4453, 0.4847** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **7.3836, 0.1524, 0.0686**, and the grayscale version is **54.9585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4681, 0.4035, 0.4791**, and **33.1460, 0.4460, 0.4840** is the 20% darker color. If you saturate the color by 10%, you get **64.3056, 0.4453, 0.4847**, and if you desaturate by 10%, it is **65.9578, 0.4401, 0.4835**.

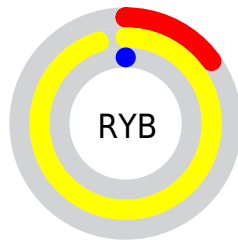
Distribution



Red (95%)

Green (82%)

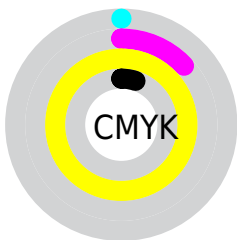
Blue (0%)



Red (15%)

Yellow (95%)

Blue (0%)

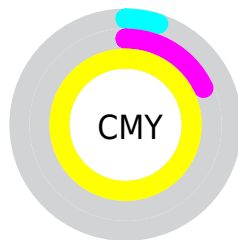


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (18%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.3017, 0.4453, 0.4847 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 64.3017, 0.4453, 0.4847 by changing the saturation by 10% instead.


 64.3017, 0.4453,
0.4847


 64.3017, 0.4453,
0.4847


440.2783, 0.3926,
0.4205

 46.8951, 0.4535,
0.4955


 111.0453, 0.4299,
0.4653


 32.9527, 0.4614,
0.5065


 141.1511, 0.4230,
0.4568

 22.0902, 0.4684,
0.5173


 176.2587, 0.4167,
0.4491

 13.9232, 0.4731,
0.5269

 216.7526, 0.4109,
0.4422

 8.0673, 0.4703,
0.5297

 263.0171, 0.4057,
0.4359

 4.1380, 0.4660,
0.5340

 315.4366, 0.4009,

 1.7511, 0.4588,

0.4303

374.3956, 0.3965,
0.4251

0.5412

■ 0.4564, 0.4084,
0.5916

■ 0.0000, 0.0000,
0.0000

■ 64.3017, 0.4453,
0.4847

■ 64.3017, 0.4453,
0.4847

■ 64.3056, 0.4453,
0.4847

■ 65.9578, 0.4401,
0.4835

■ 67.7241, 0.4323,
0.4783

■ 69.6302, 0.4217,
0.4685

■ 71.6919, 0.4087,
0.4544

■ 73.9219, 0.3937,
0.4368

■ 76.3319, 0.3775,
0.4167

■ 78.9319, 0.3608,
0.3949

■ 81.7314, 0.3441,
0.3726

■ 84.7391, 0.3280,
0.3505

Harmonies

Analogous

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



64.3017, 0.5066, 0.4136



64.3017, 0.4453, 0.4847



64.3017, 0.3556, 0.5268

Triad

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



64.3017, 0.4453, 0.4847



64.3017, 0.1468, 0.2644



64.3017, 0.3412, 0.2211

Complementary

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



64.3017, 0.4453, 0.4847



7.3836, 0.1524, 0.0686

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.



64.3017, 0.2417, 0.1871



64.3017, 0.4453, 0.4847



64.3017, 0.1452, 0.2016

Square

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



64.3017, 0.4453, 0.4847



64.3017, 0.1845, 0.3735



64.3017, 0.1760, 0.1791



64.3017, 0.4485, 0.2758

Rectangle

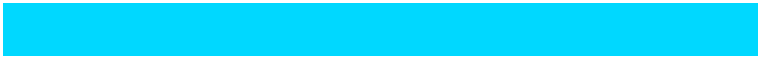
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.3017, 0.4453, 0.4847



64.3017, 0.2912, 0.5121



64.3017, 0.1760, 0.1791



64.3017, 0.3051, 0.2071

Sweetspot

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



64.3056, 0.4453, 0.4847



89.7053, 0.3609, 0.3951



18.8059, 0.6254, 0.3219



18.9274, 0.3680, 0.4045



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.



64.3056, 0.4453, 0.4847



73.0513, 0.4453, 0.4846



69.6478, 0.3554, 0.5560



18.0801, 0.3271, 0.3493



35.0154, 0.4448, 0.4850



3.0113, 0.4409, 0.4881

Inverse Universe

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



7.3836, 0.1524, 0.0686



8.3556, 0.1523, 0.0684



8.4436, 0.1777, 0.0753



15.5669, 0.2980, 0.3079



4.1127, 0.1529, 0.0703



0.4482, 0.1580, 0.0889

Previews

White Background



This preview shows how the Yxy color 64.3017, 0.4453, 0.4847 looks on a white background.

Color Contrast Check

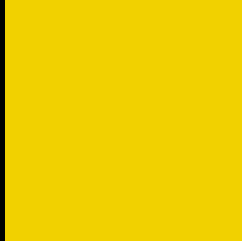
Large Text (above 18pt) WCAG AA × Fail

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 64.3017, 0.4453, 0.4847 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 64.3017, 0.4453, 0.4847

Background



This preview shows how black text looks on a background with the Yxy color 64.3017, 0.4453, 0.4847.

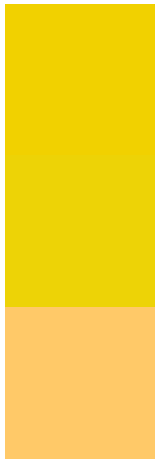


This preview shows how white text looks on a background with the Yxy color 64.3017, 0.4453, 0.4847.

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

64.3017, 0.4453, 0.4847

Protanopia

64.6062, 0.4399, 0.4878

Deuteranopia

64.0328, 0.4288, 0.4249



Tritanopia

64.0697, 0.3490, 0.3136

Trichromacy



Original Color

64.3017, 0.4453, 0.4847

Protanomaly

64.2791, 0.4417, 0.4868

Deuteranomaly

63.9031, 0.4425, 0.4560

Tritanomaly

62.6800, 0.4050, 0.3984

Monochromacy



Original Color

64.3017, 0.4453, 0.4847

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

56.7608, 0.3796, 0.4188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3017, 0.4453, 0.4847 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(241, 209, 0)` looks like.

```
.text, #text, p{  
    color:rgb(241, 209, 0)  
}
```

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(241, 209, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 209, 0) }
```

Border

The CSS property to change the border of an element to Yxy 64.3017, 0.4453, 0.4847 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(241, 209, 0) }
```

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

```
.border{ border-color:rgb(241, 209, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 209, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 209, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 209, 0);  
box-shadow:4px 4px 4px 4px rgb(241, 209,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3017, 0.4453, 0.4847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 209, 0) }
```

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

```
.background{ background-color: rgb(241,  
209, 0) }
```

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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