

Converting Colors

$Y_{xy}(79.5344, 0.4207, 0.5042)$

Have a look what the booklet for
Yxy(79.5344, 0.4207, 0.5042)
contains.

Yxy(79.6743, 0.4208, 0.5041)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.6743, 0.4208, 0.5041)

Conversions

Conversions Part 1

Format	Color
Hex	F0EE00
RGB	240, 238, 0
RGB Percent	94%, 93%, 0%
CMY	0.0588, 0.0666, 1.0000
CMYK	0.00, 0.01, 1.00, 0.06
HSL	60°, 100%, 47%
HSV	60°, 100%, 94%
XYZ	66.5085, 79.6743, 11.8697
YIQ	211.4660, 77.5900, -73.5940

Conversions

Conversions Part 2

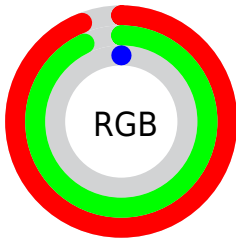
Format	Color
R _Y B	2, 240, 0
Decimal	15789568
CIE Lab	91.54, -19.63, 89.87
CIE LCh	92, 91.989, 102.322
Yxy	79.6743, 0.4208, 0.5041
Android (android.graphics.Color)	4293979648 (0xFFFF0EE0)
YUV	211.4660, -104.2527, 25.0243
Hunter-Lab	89.2605, -23.2044, 54.5980

Details

The Yxy color **79.6743, 0.4208, 0.5041** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **6.3342, 0.1501, 0.0604**, and the grayscale version is **66.1340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5703, 0.4013, 0.4755**, and **43.0396, 0.4165, 0.5075** is the 20% darker color. If you saturate the color by 10%, you get **79.6782, 0.4208, 0.5041**, and if you desaturate by 10%, it is **79.8601, 0.4188, 0.5011**.

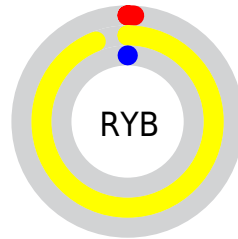
Distribution



Red (94%)

Green (93%)

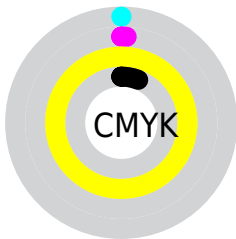
Blue (0%)



Red (1%)

Yellow (94%)

Blue (0%)

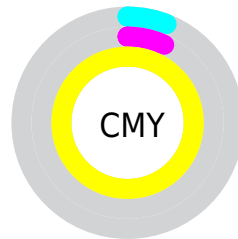


Cyan (0%)

Magenta (1%)

Yellow (100%)

Black (6%)



Cyan (6%)

Magenta (7%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.6743, 0.4208, 0.5041 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 79.6743, 0.4208, 0.5041 by changing the saturation by 10% instead.

 79.6743, 0.4208,
0.5041

 79.6743, 0.4208,
0.5041


493.8345, 0.3819,
0.4309

 59.4504, 0.4259,
0.5172


 132.9077, 0.4103,
0.4814

 42.9758, 0.4303,
0.5314


 166.6860, 0.4053,
0.4717

 29.8661, 0.4329,
0.5462


 205.7512, 0.4006,
0.4630

 19.7370, 0.4353,
0.5647

 250.4877, 0.3962,
0.4552

 12.2040, 0.4260,
0.5740

 301.2799, 0.3922,
0.4482

 6.8828, 0.4127,
0.5873

 358.5121, 0.3885,

 3.3889, 0.3920,

0.4419

0.6080

422.5689, 0.3851,
0.4361

■ 1.3380, 0.3545,
0.6455

■ 0.1703, 0.0000,
1.0000

■ 79.6743, 0.4208,
0.5041

■ 79.6743, 0.4208,
0.5041

■ 79.6782, 0.4208,
0.5041

■ 79.8601, 0.4188,
0.5011

■ 80.1235, 0.4146,
0.4946

■ 80.4941, 0.4077,
0.4836

■ 80.9870, 0.3982,
0.4684

■ 81.6150, 0.3865,
0.4494

■ 82.3890, 0.3729,
0.4274

■ 83.3192, 0.3582,
0.4034

■ 84.4146, 0.3430,
0.3785

■ 85.6835, 0.3276,
0.3534

Harmonies

Analogous

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



79.6743, 0.4942, 0.4362



79.6743, 0.4208, 0.5041



79.6743, 0.3263, 0.5278

Triad

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



79.6743, 0.4208, 0.5041



79.6743, 0.1414, 0.2395



79.6743, 0.3754, 0.2349

Complementary

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



79.6743, 0.4208, 0.5041



6.3342, 0.1501, 0.0604

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.



79.6743, 0.2681, 0.1936



79.6743, 0.4208, 0.5041



79.6743, 0.1498, 0.1899

Square

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



79.6743, 0.4208, 0.5041



79.6743, 0.1676, 0.3366



79.6743, 0.1909, 0.1773



79.6743, 0.4763, 0.2945

Rectangle

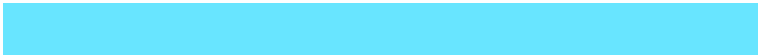
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.6743, 0.4208, 0.5041



79.6743, 0.2624, 0.4930



79.6743, 0.1909, 0.1773



79.6743, 0.3378, 0.2187

Sweetspot

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



79.6782, 0.4208, 0.5041



95.6106, 0.3584, 0.4037



18.5334, 0.6388, 0.3293



20.3633, 0.3647, 0.4140



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.



79.6782, 0.4208, 0.5041



91.4391, 0.4208, 0.5041



66.6031, 0.3378, 0.5700



18.4352, 0.3268, 0.3521



43.6291, 0.4208, 0.5041



3.6367, 0.4206, 0.5043

Inverse Universe

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



6.3342, 0.1501, 0.0604



7.2659, 0.1501, 0.0603



10.0040, 0.1975, 0.0862



15.2497, 0.2979, 0.3048



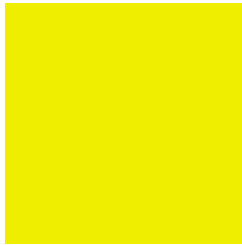
3.4770, 0.1502, 0.0605



0.2966, 0.1505, 0.0619

Previews

White Background



This preview shows how the Yxy color 79.6743, 0.4208, 0.5041 looks on a white background.

Color Contrast Check

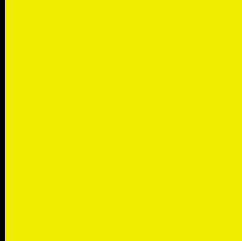
Large Text (above 18pt) WCAG AA × Fail

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 79.6743, 0.4208, 0.5041 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 79.6743, 0.4208, 0.5041

Background



This preview shows how black text looks on a background with the Yxy color 79.6743, 0.4208, 0.5041.



This preview shows how white text looks on a background with the Yxy color 79.6743, 0.4208, 0.5041.

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

79.6743, 0.4208, 0.5041

Protanopia

79.4734, 0.4086, 0.4481

Deuteranopia

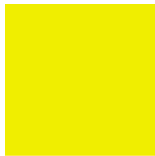
79.2836, 0.3595, 0.3677



Tritanopia

79.1459, 0.3256, 0.3122

Trichromacy



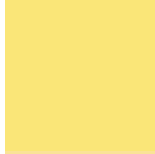
Original Color

79.6743, 0.4208, 0.5041



Protanomaly

79.5870, 0.4194, 0.4776



Deuteranomaly

78.2737, 0.3984, 0.4385



Tritanomaly

77.4965, 0.3807, 0.4070

Monochromacy



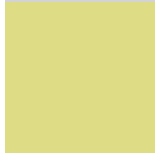
Original Color

79.6743, 0.4208, 0.5041



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

68.9637, 0.3723, 0.4259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.6743, 0.4208, 0.5041 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(240, 238, 0)` looks like.

```
.text, #text, p{  
  color:rgb(240, 238, 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(240, 238, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 238, 0) }
```

Border

The CSS property to change the border of an element to Yxy 79.6743, 0.4208, 0.5041 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(240, 238, 0) }
```

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

```
.border{ border-color:rgb(240, 238, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 238, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 238, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 238, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 238,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 79.6743, 0.4208, 0.5041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 238, 0) }
```

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

```
.background{ background-color: rgb(240,  
238, 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](#).

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