

Converting Colors

$Y_{xy}(74.6797, 0.4357, 0.4755)$

Have a look what the booklet for
Yxy(74.6797, 0.4357, 0.4755)
contains.

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Color

Yxy(74.8103, 0.4355, 0.4757)

Conversions

Conversions Part 1

Format	Color
Hex	FFE033
RGB	255, 224, 51
RGB Percent	100%, 88%, 20%
CMY	0.0001, 0.1215, 0.7999
CMYK	0.00, 0.12, 0.80, 0.00
HSL	51°, 100%, 60%
HSV	51°, 80%, 100%
XYZ	68.4883, 74.8103, 13.9650
YIQ	213.5470, 74.0090, -47.2310

Conversions

Conversions Part 2

Format	Color
R _Y B	88, 255, 51
Decimal	16769075
CIE Lab	89.30, -5.64, 80.70
CIE LCh	89, 80.894, 93.996
Yxy	74.8103, 0.4355, 0.4757
Android (android.graphics.Color)	4294959155 (0xFFFFE033)
YUV	213.5470, -80.1357, 36.3543
Hunter-Lab	86.4929, -10.0198, 50.9722

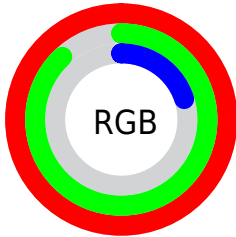
Details

The Yxy color **74.8103, 0.4355, 0.4757** 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 **13.9578, 0.1693, 0.1053**, and the grayscale version is **67.4394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9723, 0.3930, 0.4618**, and **39.8453, 0.4441, 0.4856** is the 20% darker color. If you saturate the color by 10%, you get **72.5895, 0.4438, 0.4805**, and if you desaturate by 10%, it is **77.2088, 0.4243, 0.4662**.

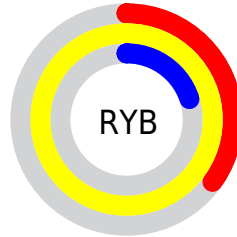
Distribution



Red (100%)

Green (88%)

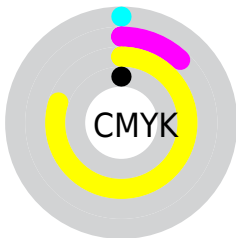
Blue (20%)



Red (35%)

Yellow (100%)

Blue (20%)

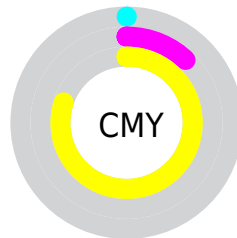


Cyan (0%)

Magenta (12%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.8103, 0.4355, 0.4757 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 74.8103, 0.4355, 0.4757 by changing the saturation by 10% instead.


 74.8103, 0.4355,
0.4757

 74.8103, 0.4355,
0.4757

477.2653, 0.3865,
0.4149

 55.4575, 0.4437,
0.4865

 126.0438, 0.4208,
0.4569


 39.7681, 0.4520,
0.4981

 158.6933, 0.4144,
0.4489

 27.3578, 0.4599,
0.5100


 196.5438, 0.4085,
0.4417

 17.8421, 0.4680,
0.5232

 239.9797, 0.4033,
0.4352

 10.8367, 0.4694,
0.5306

 289.3854, 0.3985,
0.4293

 5.9571, 0.4654,
0.5346


345.1453, 0.3941,

 2.8190, 0.4591,


0.4241


0.5409


407.6438, 0.3901,
0.4193


 1.0380, 0.4477,
0.5523


 0.0000, 0.0000,
0.0000


 74.8103, 0.4355,
0.4757


 74.8103, 0.4355,
0.4757


 72.5895, 0.4438,
0.4805

 77.2088, 0.4243,
0.4662


 70.5066, 0.4495,
0.4813


 79.7921, 0.4106,
0.4524

 70.5036, 0.4495,
0.4813

 82.5790, 0.3951,
0.4351

 85.5826, 0.3784,
0.4152

 88.8149, 0.3613,
0.3938

 92.2866, 0.3444,
0.3718

 96.0078, 0.3281,
0.3500

99.9868, 0.3127,
0.3290

99.9961, 0.3127,
0.3290

Harmonies

Analogous

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



74.8103, 0.4910, 0.4122



74.8103, 0.4355, 0.4757



74.8103, 0.3527, 0.5085

Triad

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



74.8103, 0.4355, 0.4757



74.8103, 0.1586, 0.2695



74.8103, 0.3417, 0.2302

Complementary

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



74.8103, 0.4355, 0.4757



13.9578, 0.1693, 0.1053

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.



74.8103, 0.2498, 0.1976



74.8103, 0.4355, 0.4757



74.8103, 0.1573, 0.2112

Square

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



74.8103, 0.4355, 0.4757



74.8103, 0.1941, 0.3674



74.8103, 0.1872, 0.1898



74.8103, 0.4382, 0.2822

Rectangle

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



74.8103, 0.4355, 0.4757



74.8103, 0.2930, 0.4917



74.8103, 0.1872, 0.1898



74.8103, 0.3087, 0.2168

Sweetspot

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



74.8139, 0.4355, 0.4757



90.8799, 0.3511, 0.3807



24.2829, 0.5556, 0.3062



19.1887, 0.3571, 0.3885



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.



74.8139, 0.4355, 0.4757



71.3374, 0.4474, 0.4813



82.3108, 0.3663, 0.5304



20.5930, 0.3273, 0.3490



37.0240, 0.4490, 0.4817



3.7265, 0.4450, 0.4848

Inverse Universe

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



13.9578, 0.1693, 0.1053



9.3485, 0.1550, 0.0754



13.5122, 0.1972, 0.0993



17.8228, 0.2979, 0.3082



4.6532, 0.1534, 0.0723



0.5775, 0.1581, 0.0892

Previews

White Background



This preview shows how the Yxy color 74.8103, 0.4355, 0.4757 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 74.8103, 0.4355, 0.4757 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 74.8103, 0.4355, 0.4757

Background



This preview shows how black text looks on a background with the Yxy color 74.8103, 0.4355, 0.4757.



This preview shows how white text looks on a background with the Yxy color 74.8103, 0.4355, 0.4757.

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

74.8103, 0.4355, 0.4757

Protanopia

74.7849, 0.4325, 0.4780

Deuteranopia

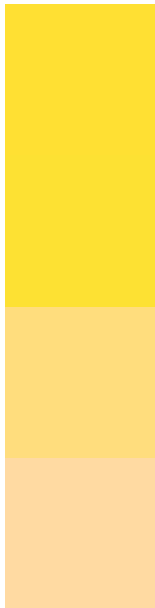
74.7502, 0.3757, 0.3814



Tritanopia

74.7894, 0.3354, 0.3180

Trichromacy



Original Color

74.8103, 0.4355, 0.4757

Protanomaly

74.9721, 0.4333, 0.4775

Deuteranomaly

74.4536, 0.4039, 0.4247

Tritanomaly

74.0114, 0.3804, 0.3865

Monochromacy



Original Color

74.8103, 0.4355, 0.4757

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

69.1674, 0.3649, 0.3987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.8103, 0.4355, 0.4757 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, 224, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 51)  
}
```

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, 224, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 51) }
```

Border

The CSS property to change the border of an element to Yxy 74.8103, 0.4355, 0.4757 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, 224, 51) }
```

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

```
.border{ border-color:rgb(255, 224, 51) }
```

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

Here you see how a box with a 4 pixel rgb(255, 224, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 74.8103, 0.4355, 0.4757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 51) }
```

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

```
.background{ background-color: rgb(255,  
224, 51) }
```

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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