

Converting Colors

$Yxy(78.5228, 0.4091, 0.4788)$

Have a look what the booklet for
Yxy(78.5228, 0.4091, 0.4788)
contains.

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Color

Yxy(78.4637, 0.4086, 0.4788)

Conversions

Conversions Part 1

Format	Color
Hex	F0EB4C
RGB	240, 235, 76
RGB Percent	94%, 92%, 30%
CMY	0.0586, 0.0785, 0.7020
CMYK	0.00, 0.02, 0.68, 0.06
HSL	58°, 85%, 62%
HSV	58°, 68%, 94%
XYZ	66.9596, 78.4637, 18.4524
YIQ	218.3690, 54.0190, -48.3890

Conversions

Conversions Part 2

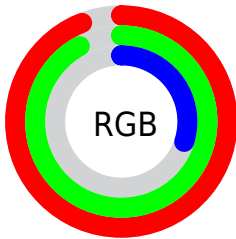
Format	Color
R _Y B	81, 240, 76
Decimal	15788876
CIE Lab	90.99, -16.27, 73.79
CIE LCh	91, 75.562, 102.434
Yxy	78.4637, 0.4086, 0.4788
Android (android.graphics.Color)	4293978956 (0xFFFF0EB4C)
YUV	218.3690, -70.1879, 18.9704
Hunter-Lab	88.5797, -20.0820, 49.6549

Details

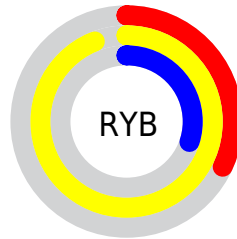
The Yxy color **78.4637, 0.4086, 0.4788** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **13.7234, 0.1815, 0.1150**, and the grayscale version is **70.8516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4735, 0.3834, 0.4459**, and **42.3458, 0.4193, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **77.7709, 0.4165, 0.4903**, and if you desaturate by 10%, it is **79.2901, 0.3981, 0.4631**.

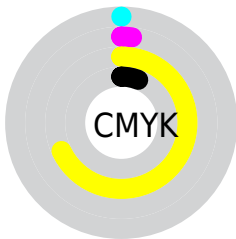
Distribution



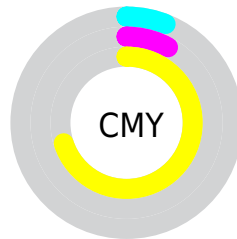
- Red (94%)
- Green (92%)
- Blue (30%)



- Red (32%)
- Yellow (94%)
- Blue (30%)



- Cyan (0%)
- Magenta (2%)
- Yellow (68%)
- Black (6%)




- Cyan (6%)
- Magenta (8%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.4637, 0.4086, 0.4788 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 78.4637, 0.4086, 0.4788 by changing the saturation by 10% instead.


 78.4637, 0.4086,
0.4788


 78.4637, 0.4086,
0.4788


489.7402, 0.3708,
0.4134

 58.4550, 0.4149,
0.4917


 131.2036, 0.3973,
0.4576

 42.1745, 0.4213,
0.5064


 164.7035, 0.3923,
0.4488


 29.2380, 0.4273,
0.5228


 203.4694, 0.3878,
0.4411

 19.2609, 0.4317,
0.5405

 247.8854, 0.3837,
0.4343

 11.8590, 0.4363,
0.5637

 298.3361, 0.3800,
0.4282

 6.6477, 0.4251,
0.5749

355.2059, 0.3766,

 3.2428, 0.4077,

0.4227

0.5923

418.8791, 0.3736,
0.4178

■ 1.2598, 0.3761,
0.6239

■ 0.1097, 0.0000,
1.0000

■ 78.4637, 0.4086,
0.4788

■ 78.4637, 0.4086,
0.4788

■ 77.7709, 0.4165,
0.4903

■ 79.2901, 0.3981,
0.4631

■ 77.1860, 0.4217,
0.4974


■ 80.2515, 0.3855,
0.4437


■ 76.6919, 0.4245,
0.5005


■ 81.3624, 0.3713,
0.4217

■ 76.6137, 0.4249,
0.5009

■ 82.6327, 0.3561,
0.3979

 84.0714, 0.3406,
0.3733

 85.6868, 0.3252,
0.3489

 87.4866, 0.3103,
0.3251

 88.6096, 0.3038,
0.3151

 89.0481, 0.3037,
0.3158

Harmonies

Analogous

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



78.4637, 0.4685, 0.4264



78.4637, 0.4086, 0.4788



78.4637, 0.3281, 0.4905

Triad

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



78.4637, 0.4086, 0.4788



78.4637, 0.1651, 0.2558



78.4637, 0.3660, 0.2491

Complementary

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



78.4637, 0.4086, 0.4788



13.7234, 0.1815, 0.1150

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.



78.4637, 0.2766, 0.2125



78.4637, 0.4086, 0.4788



78.4637, 0.1721, 0.2108

Square

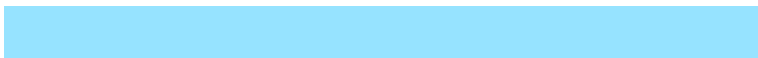
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.4637, 0.4086, 0.4788



78.4637, 0.1899, 0.3371



78.4637, 0.2092, 0.1983



78.4637, 0.4484, 0.3022

Rectangle

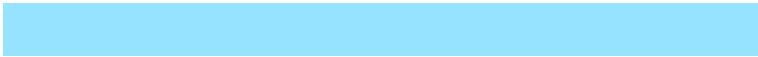
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.4637, 0.4086, 0.4788



78.4637, 0.2731, 0.4602



78.4637, 0.2092, 0.1983



78.4637, 0.3351, 0.2347

Sweetspot

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



78.4674, 0.4086, 0.4788



95.9702, 0.3448, 0.3801



24.3034, 0.5353, 0.3249



20.4427, 0.3491, 0.3869



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.



78.4674, 0.4086, 0.4788



88.9351, 0.4189, 0.4936



70.7076, 0.3497, 0.5185



18.3706, 0.3269, 0.3516



41.9595, 0.4248, 0.5009



3.5167, 0.4240, 0.5015

Inverse Universe

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



13.7234, 0.1815, 0.1150



10.2851, 0.1617, 0.0815



18.1920, 0.2343, 0.1359



15.3067, 0.2979, 0.3053



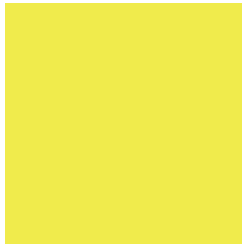
3.5667, 0.1505, 0.0619



0.3240, 0.1520, 0.0670

Previews

White Background



This preview shows how the Yxy color 78.4637, 0.4086, 0.4788 looks on a white background.

Color Contrast Check

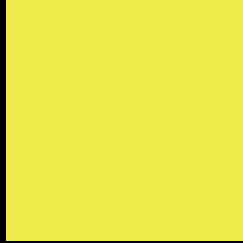
Large Text (above 18pt) WCAG AA × Fail

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 78.4637, 0.4086, 0.4788 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 78.4637, 0.4086, 0.4788

Background



This preview shows how black text looks on a background with the Yxy color 78.4637, 0.4086, 0.4788.



This preview shows how white text looks on a background with the Yxy color 78.4637, 0.4086, 0.4788.

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

78.4637, 0.4086, 0.4788

Protanopia

78.0713, 0.4170, 0.4573

Deuteranopia

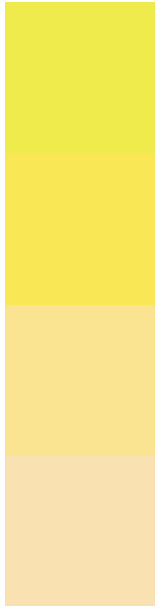
78.0320, 0.3629, 0.3699



Tritanopia

78.3717, 0.3256, 0.3122

Trichromacy



Original Color

78.4637, 0.4086, 0.4788

Protanomaly

78.1477, 0.4147, 0.4650

Deuteranomaly

77.8551, 0.3842, 0.4138

Tritanomaly

77.2045, 0.3623, 0.3778

Monochromacy



Original Color

78.4637, 0.4086, 0.4788

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

72.2332, 0.3532, 0.3931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4637, 0.4086, 0.4788 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, 235, 76)` looks like.

```
.text, #text, p{  
    color:rgb(240, 235, 76)  
}
```

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, 235, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 235, 76) }
```

Border

The CSS property to change the border of an element to Yxy 78.4637, 0.4086, 0.4788 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, 235, 76) }
```

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

```
.border{ border-color:rgb(240, 235, 76) }
```

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

Here you see how a box with a 4 pixel rgb(240, 235, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 235, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 235, 76);  
box-shadow:4px 4px 4px 4px rgb(240, 235,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4637, 0.4086, 0.4788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 235, 76) }
```

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

```
.background{ background-color: rgb(240,  
235, 76) }
```

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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