

Converting Colors

$Y_{xy}(75.9083, 0.3996, 0.4596)$

Have a look what the booklet for
Yxy(75.9083, 0.3996, 0.4596)
contains.

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Color

Yxy(75.6909, 0.3998, 0.4594)

Conversions

Conversions Part 1

Format	Color
Hex	EEE664
RGB	238, 230, 100
RGB Percent	93%, 90%, 39%
CMY	0.0665, 0.0981, 0.6078
CMYK	0.00, 0.03, 0.58, 0.07
HSL	56°, 80%, 66%
HSV	56°, 58%, 93%
XYZ	65.8712, 75.6909, 23.1983
YIQ	217.5720, 46.4980, -38.7340

Conversions

Conversions Part 2

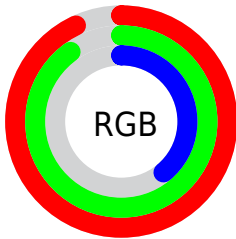
Format	Color
R _Y B	108, 238, 100
Decimal	15656548
CIE Lab	89.72, -13.20, 62.82
CIE LCh	90, 64.187, 101.863
Yxy	75.6909, 0.3998, 0.4594
Android (android.graphics.Color)	4293846628 (0xFFEEE664)
YUV	217.5720, -57.9630, 17.9154
Hunter-Lab	87.0005, -17.1022, 45.0910

Details

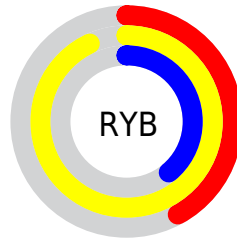
The Yxy color **75.6909, 0.3998, 0.4594** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **19.6294, 0.2020, 0.1521**, and the grayscale version is **70.1912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1466, 0.3717, 0.4265**, and **40.4255, 0.4133, 0.4860** is the 20% darker color. If you saturate the color by 10%, you get **74.5277, 0.4111, 0.4750**, and if you desaturate by 10%, it is **77.0020, 0.3864, 0.4403**.

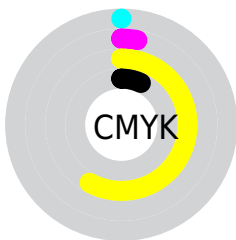
Distribution



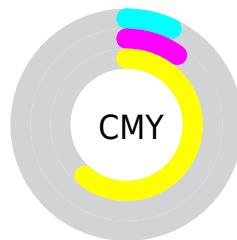
- Red (93%)
- Green (90%)
- Blue (39%)



- Red (42%)
- Yellow (93%)
- Blue (39%)



- Cyan (0%)
- Magenta (3%)
- Yellow (58%)
- Black (7%)





- Cyan (7%)
- Magenta (10%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.6909, 0.3998, 0.4594 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 75.6909, 0.3998, 0.4594 by changing the saturation by 10% instead.


 75.6909, 0.3998,
0.4594


 75.6909, 0.3998,
0.4594


480.2889, 0.3636,
0.4010


 56.1791, 0.4065,
0.4715


 127.2899, 0.3884,
0.4400


 40.3465, 0.4139,
0.4856


 160.1458, 0.3836,
0.4322

 27.8088, 0.4216,
0.5021


 198.2186, 0.3793,
0.4253

 18.1816, 0.4290,
0.5208

 241.8927, 0.3755,
0.4193

 11.0804, 0.4365,
0.5441

291.5523, 0.3720,
0.4139

 6.1210, 0.4357,
0.5643

347.5820, 0.3689,

 2.9188, 0.4208,

0.4092

0.5792

410.3660, 0.3661,
0.4049

■ 1.0895, 0.3912,
0.6088

■ 0.0000, 0.0000,
0.0000

■ 75.6909, 0.3998,
0.4594

■ 75.6909, 0.3998,
0.4594

■ 74.5277, 0.4111,
0.4750

■ 77.0020, 0.3864,
0.4403

■ 73.4896, 0.4199,
0.4865

■ 78.4610, 0.3716,
0.4185


■ 72.5660, 0.4260,
0.4935

■ 80.0812, 0.3560,
0.3952

■ 71.7371, 0.4295,
0.4964

■ 81.8711, 0.3402,
0.3713


 71.5757, 0.4301,
0.4967

 83.8391, 0.3247,
0.3475

 85.9926, 0.3098,
0.3244

 87.5652, 0.3025,
0.3138

 88.3861, 0.3025,
0.3152

 89.2132, 0.3025,
0.3166

Harmonies

Analogous

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



75.6909, 0.4501, 0.4164



75.6909, 0.3998, 0.4594



75.6909, 0.3297, 0.4664

Triad

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



75.6909, 0.3998, 0.4594



75.6909, 0.1826, 0.2679



75.6909, 0.3577, 0.2582

Complementary

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



75.6909, 0.3998, 0.4594



19.6294, 0.2020, 0.1521

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.



75.6909, 0.2807, 0.2255



75.6909, 0.3998, 0.4594



75.6909, 0.1880, 0.2263

Square

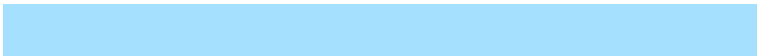
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.6909, 0.3998, 0.4594



75.6909, 0.2063, 0.3388



75.6909, 0.2211, 0.2136



75.6909, 0.4283, 0.3059

Rectangle

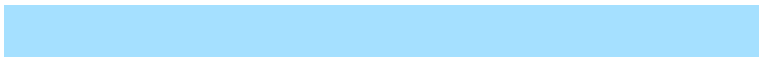
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.6909, 0.3998, 0.4594



75.6909, 0.2813, 0.4405



75.6909, 0.2211, 0.2136



75.6909, 0.3313, 0.2453

Sweetspot

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



75.6944, 0.3998, 0.4594



95.9104, 0.3388, 0.3691



28.4132, 0.4799, 0.3200



20.4341, 0.3419, 0.3739



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.



75.6944, 0.3998, 0.4594



86.8339, 0.4133, 0.4780



71.5944, 0.3512, 0.4901



18.2915, 0.3270, 0.3510



39.9792, 0.4299, 0.4969



3.3737, 0.4284, 0.4981

Inverse Universe

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



19.6294, 0.2020, 0.1521



15.5821, 0.1794, 0.1143



22.7505, 0.2449, 0.1617



15.3769, 0.2979, 0.3060



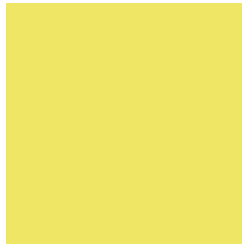
3.6771, 0.1510, 0.0636



0.3577, 0.1537, 0.0731

Previews

White Background



This preview shows how the Yxy color 75.6909, 0.3998, 0.4594 looks on a white background.

Color Contrast Check

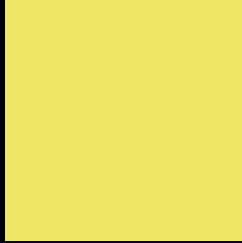
Large Text (above 18pt) WCAG AA × Fail

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 75.6909, 0.3998, 0.4594 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 75.6909, 0.3998, 0.4594

Background



This preview shows how black text looks on a background with the Yxy color 75.6909, 0.3998, 0.4594.



This preview shows how white text looks on a background with the Yxy color 75.6909, 0.3998, 0.4594.

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

75.6909, 0.3998, 0.4594

Protanopia

75.8028, 0.4125, 0.4517

Deuteranopia

75.5415, 0.3704, 0.3752



Tritanopia

75.5042, 0.3266, 0.3119

Trichromacy



Original Color

75.6909, 0.3998, 0.4594

Protanomaly

75.4319, 0.4081, 0.4545

Deuteranomaly

75.5892, 0.3831, 0.4074

Tritanomaly

74.8085, 0.3561, 0.3668

Monochromacy



Original Color

75.6909, 0.3998, 0.4594

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

71.3452, 0.3468, 0.3812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6909, 0.3998, 0.4594 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(238, 230, 100)` looks like.

```
.text, #text, p{  
    color:rgb(238, 230, 100)  
}
```

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(238, 230, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 230, 100) }
```

Border

The CSS property to change the border of an element to Yxy 75.6909, 0.3998, 0.4594 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(238, 230, 100) }
```

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

```
.border{ border-color:rgb(238, 230, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 230, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 230, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 230, 100);  
box-shadow:4px 4px 4px 4px rgb(238, 230,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6909, 0.3998, 0.4594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 230, 100) }
```

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

```
.background{ background-color: rgb(238,  
230, 100) }
```

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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