

Converting Colors

Yxy(86.3132, 0.4189, 0.5045)

Have a look what the booklet for
Yxy(86.3132, 0.4189, 0.5045)
contains.

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Color

Yxy(86.3132, 0.4189, 0.5045)

Conversions

Conversions Part 1

Format	Color
Hex	F7F708
RGB	247, 247, 8
RGB Percent	97%, 97%, 3%
CMY	0.0313, 0.0314, 0.9695
CMYK	0.00, 0.00, 0.97, 0.03
HSL	60°, 94%, 50%
HSV	60°, 97%, 97%
XYZ	71.6682, 86.3132, 13.1052
YIQ	219.7540, 76.7190, -74.3290

Conversions

Conversions Part 2

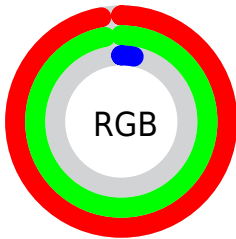
Format	Color
R_YB	8, 247, 8
Decimal	16250632
CIE _{Lab}	94.45, -20.97, 91.68
CIE _{LCh}	94, 94.045, 102.883
Yxy	86.3132, 0.4189, 0.5045
Android (android.graphics.Color)	4294440712 (0xFFFF7F708)
YUV	219.7540, -104.3947, 23.8947
Hunter-Lab	92.9049, -24.8861, 56.6699

Details

The Yxy color **86.3132, 0.4189, 0.5045** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **6.9367, 0.1511, 0.0617**, and the grayscale version is **72.0796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6245, 0.4002, 0.4736**, and **47.7007, 0.4148, 0.5089** is the 20% darker color. If you saturate the color by 10%, you get **86.2997, 0.4193, 0.5052**, and if you desaturate by 10%, it is **86.4088, 0.4166, 0.5006**.

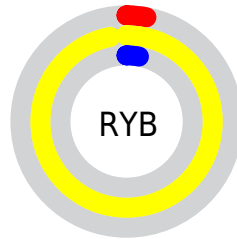
Distribution



Red (97%)

Green (97%)

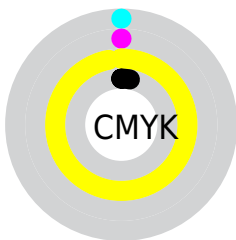
Blue (3%)



Red (3%)

Yellow (97%)

Blue (3%)

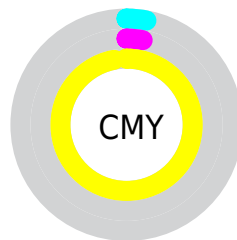


Cyan (0%)

Magenta (0%)

Yellow (97%)

Black (3%)



Cyan (3%)


Magenta (3%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.3132, 0.4189, 0.5045 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 86.3132, 0.4189, 0.5045 by changing the saturation by 10% instead.


 86.3132, 0.4189,
0.5045

 86.3132, 0.4189,
0.5045


515.9634, 0.3814,
0.4320


 64.9270, 0.4238,
0.5175

 142.2065, 0.4088,
0.4821


 47.4019, 0.4280,
0.5315

 177.4823, 0.4040,
0.4725

 33.3535, 0.4306,
0.5462


 218.1569, 0.3995,
0.4639

 22.3974, 0.4323,
0.5638

 264.6144, 0.3953,
0.4562

 14.1492, 0.4249,
0.5751

 317.2395, 0.3915,
0.4492

 8.2245, 0.4122,
0.5878


 376.4164, 0.3878,


 4.2389, 0.3929,


0.4429


0.6071

442.5296, 0.3845,
0.4372


 1.8081, 0.3605,
0.6395


 0.4922, 0.0000,
1.0000


 86.3132, 0.4189,
0.5045


 86.3132, 0.4189,
0.5045


 86.2997, 0.4193,
0.5052


 86.4088, 0.4166,
0.5006


 86.6008, 0.4117,
0.4927

 86.9126, 0.4043,
0.4803


 87.3597, 0.3942,
0.4638

 87.9551, 0.3821,
0.4436

 88.7103, 0.3682,
0.4208

 89.6356, 0.3534,
0.3962

 90.7406, 0.3381,
0.3710

 92.0341, 0.3229,
0.3458

Harmonies

Analogous

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



86.3132, 0.4925, 0.4374



86.3132, 0.4189, 0.5045



86.3132, 0.3245, 0.5265

Triad

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



86.3132, 0.4189, 0.5045



86.3132, 0.1419, 0.2386



86.3132, 0.3773, 0.2362

Complementary

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



86.3132, 0.4189, 0.5045



6.9367, 0.1511, 0.0617

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.



86.3132, 0.2701, 0.1946



86.3132, 0.4189, 0.5045



86.3132, 0.1508, 0.1899

Square

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



86.3132, 0.4189, 0.5045



86.3132, 0.1673, 0.3345



86.3132, 0.1924, 0.1779



86.3132, 0.4770, 0.2959

Rectangle

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



86.3132, 0.4189, 0.5045



86.3132, 0.2610, 0.4905



86.3132, 0.1924, 0.1779



86.3132, 0.3398, 0.2199

Sweetspot

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



86.3172, 0.4189, 0.5045



96.1131, 0.3567, 0.4017



19.9738, 0.6350, 0.3293



20.4801, 0.3631, 0.4123



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.



86.3172, 0.4189, 0.5045



92.7624, 0.4193, 0.5052



71.4109, 0.3394, 0.5672



19.3133, 0.3269, 0.3524



45.6305, 0.4193, 0.5052



4.0106, 0.4193, 0.5052

Inverse Universe

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



6.9367, 0.1511, 0.0617



7.2206, 0.1500, 0.0600



11.1278, 0.2007, 0.0890



15.9271, 0.2979, 0.3045



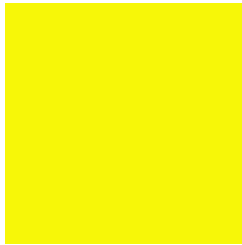
3.5520, 0.1500, 0.0600



0.3123, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 86.3132, 0.4189, 0.5045 looks on a white background.

Color Contrast Check

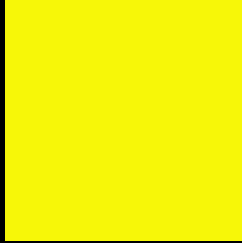
Large Text (above 18pt) WCAG AA × Fail

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 86.3132, 0.4189, 0.5045 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 86.3132, 0.4189, 0.5045

Background



This preview shows how black text looks on a background with the Yxy color 86.3132, 0.4189, 0.5045.



This preview shows how white text looks on a background with the Yxy color 86.3132, 0.4189, 0.5045.

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

86.3132, 0.4189, 0.5045

Protanopia

86.0101, 0.3660, 0.3953

Deuteranopia

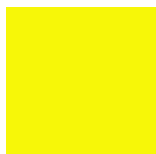
86.0044, 0.3412, 0.3530



Tritanopia

86.1304, 0.3200, 0.3173

Trichromacy



Original Color

86.3132, 0.4189, 0.5045



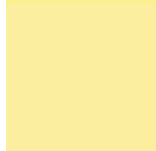
Protanomaly

85.3920, 0.3974, 0.4532



Deuteranomaly

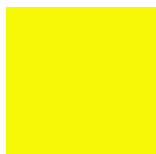
84.8506, 0.3849, 0.4304



Tritanomaly

84.3477, 0.3730, 0.4088

Monochromacy



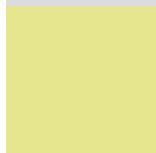
Original Color

86.3132, 0.4189, 0.5045



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.3998, 0.3694, 0.4228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3132, 0.4189, 0.5045 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(247, 247, 8)` looks like.

```
.text, #text, p{  
    color:rgb(247, 247, 8)  
}
```

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(247, 247, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 247, 8) }
```

Border

The CSS property to change the border of an element to Yxy 86.3132, 0.4189, 0.5045 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(247, 247, 8) }
```

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

```
.border{ border-color:rgb(247, 247, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 247, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 247, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 247, 8);  
box-shadow:4px 4px 4px 4px rgb(247, 247,  
8) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3132, 0.4189, 0.5045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 247, 8) }
```

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

```
.background{ background-color: rgb(247,  
247, 8) }
```

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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