

Converting Colors

Yxy(87.7815, 0.4250, 0.5008)

Have a look what the booklet for
Yxy(87.7815, 0.4250, 0.5008)
contains.

Yxy(87.7815, 0.4250, 0.5008)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(87.7815, 0.4250, 0.5008)

Conversions

Conversions Part 1

Format	Color
Hex	FFF700
RGB	255, 247, 0
RGB Percent	100%, 97%, 0%
CMY	0.0001, 0.0313, 1.0000
CMYK	0.00, 0.03, 1.00, 0.00
HSL	58°, 100%, 50%
HSV	58°, 100%, 100%
XYZ	74.4951, 87.7815, 13.0060
YIQ	221.2340, 84.0550, -75.1210

Conversions

Conversions Part 2

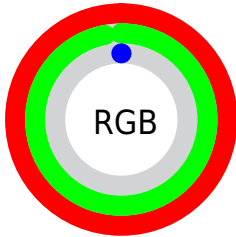
Format	Color
R _Y B	8, 255, 0
Decimal	16774912
CIE Lab	95.07, -17.75, 93.00
CIE LCh	95, 94.679, 100.803
Yxy	87.7815, 0.4250, 0.5008
Android (android.graphics.Color)	4294964992 (0xFFFFFFFF700)
YUV	221.2340, -109.0684, 29.6128
Hunter-Lab	93.6918, -22.0338, 57.3538

Details

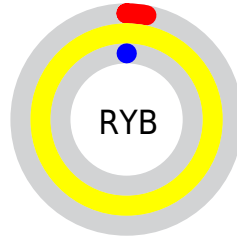
The Yxy color **87.7815, 0.4250, 0.5008** is a light color, and the websafe version is hex **FFFF00**, and the color name is **lemon**. The color can be described as light saturated yellow. A complement of this color would be **7.3921, 0.1504, 0.0613**, and the grayscale version is **73.2192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **48.5991, 0.4211, 0.5038** is the 20% darker color. If you saturate the color by 10%, you get **87.7864, 0.4250, 0.5008**, and if you desaturate by 10%, it is **88.3474, 0.4225, 0.4982**.

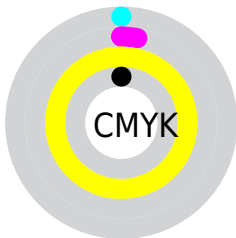
Distribution



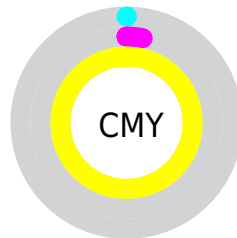
- Red (100%)
- Green (97%)
- Blue (0%)



- Red (3%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (3%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.7815, 0.4250, 0.5008 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 87.7815, 0.4250, 0.5008 by changing the saturation by 10% instead.

 87.7815, 0.4250,
0.5008


 87.7815, 0.4250,
0.5008


520.7874, 0.3851,
0.4311

 66.1421, 0.4304,
0.5130


 144.2529, 0.4141,
0.4795

 48.3878, 0.4352,
0.5260


 179.8538, 0.4090,
0.4703

 34.1341, 0.4385,
0.5395


 220.8772, 0.4042,
0.4621

 22.9966, 0.4413,
0.5554

 267.7077, 0.3998,
0.4546

 14.5910, 0.4353,
0.5647

 320.7295, 0.3957,
0.4478

 8.5329, 0.4248,
0.5752

 380.3272, 0.3918,

 4.4378, 0.4091,

0.4417

0.5909

446.8850, 0.3883,
0.4361

■ 1.9213, 0.3829,
0.6171

■ 0.5612, 0.1514,
0.8486

■ 87.7815, 0.4250,
0.5008

■ 87.7815, 0.4250,
0.5008

■ 87.7864, 0.4250,
0.5008

■ 88.3474, 0.4225,
0.4982

■ 89.0048, 0.4178,
0.4920

■ 89.7874, 0.4103,
0.4813

■ 90.7128, 0.4003,
0.4662

91.7958, 0.3880,
0.4474

93.0493, 0.3739,
0.4257

94.4850, 0.3588,
0.4021

96.1133, 0.3433,
0.3776

97.9441, 0.3278,
0.3530

Harmonies

Analogous

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



87.7815, 0.4964, 0.4323



87.7815, 0.4250, 0.5008



87.7815, 0.3313, 0.5279

Triad

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



87.7815, 0.4250, 0.5008



87.7815, 0.1423, 0.2435



87.7815, 0.3695, 0.2326

Complementary

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



87.7815, 0.4250, 0.5008



7.3921, 0.1504, 0.0613

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.



87.7815, 0.2635, 0.1925



87.7815, 0.4250, 0.5008



87.7815, 0.1490, 0.1918

Square

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



87.7815, 0.4250, 0.5008



87.7815, 0.1704, 0.3427



87.7815, 0.1883, 0.1776



87.7815, 0.4717, 0.2914

Rectangle

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



87.7815, 0.4250, 0.5008



87.7815, 0.2673, 0.4965



87.7815, 0.1883, 0.1776



87.7815, 0.3321, 0.2167

Sweetspot

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



87.7864, 0.4250, 0.5008



94.4980, 0.3588, 0.4021



21.2757, 0.6377, 0.3287



20.0920, 0.3653, 0.4122



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.



87.7864, 0.4250, 0.5008



87.7985, 0.4250, 0.5008



76.7437, 0.3399, 0.5683



20.9875, 0.3270, 0.3518



45.9201, 0.4249, 0.5008



4.5005, 0.4242, 0.5014

Inverse Universe

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



7.3921, 0.1504, 0.0613



7.3931, 0.1504, 0.0613



11.1404, 0.1941, 0.0843



17.4687, 0.2978, 0.3052



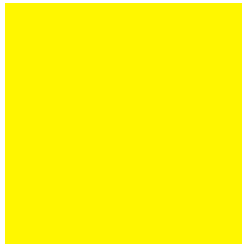
3.9024, 0.1505, 0.0619



0.4106, 0.1518, 0.0663

Previews

White Background



This preview shows how the Yxy color 87.7815, 0.4250, 0.5008 looks on a white background.

Color Contrast Check

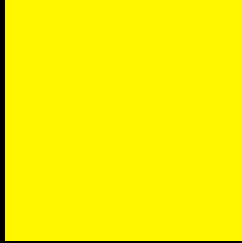
Large Text (above 18pt) WCAG AA × Fail

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 87.7815, 0.4250, 0.5008 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 87.7815, 0.4250, 0.5008

Background



This preview shows how black text looks on a background with the Yxy color 87.7815, 0.4250, 0.5008.

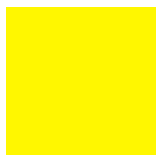


This preview shows how white text looks on a background with the Yxy color 87.7815, 0.4250, 0.5008.

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



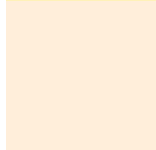
Original Color

87.7815, 0.4250, 0.5008



Protanopia

87.6313, 0.3584, 0.3861



Deuteranopia

87.4710, 0.3369, 0.3489



Tritanopia

87.7826, 0.3204, 0.3212

Trichromacy



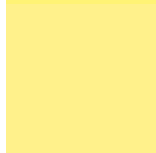
Original Color

87.7815, 0.4250, 0.5008



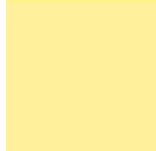
Protanomaly

86.6455, 0.3971, 0.4497



Deuteranomaly

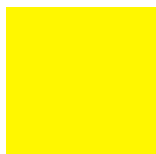
86.0347, 0.3861, 0.4294



Tritanomaly

85.9467, 0.3770, 0.4137

Monochromacy



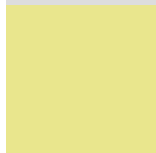
Original Color

87.7815, 0.4250, 0.5008



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.8404, 0.3729, 0.4240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7815, 0.4250, 0.5008 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, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 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(255, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 0) }
```

Border

The CSS property to change the border of an element to Yxy 87.7815, 0.4250, 0.5008 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, 247, 0) }
```

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

```
.border{ border-color:rgb(255, 247, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 247, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7815, 0.4250, 0.5008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 0) }
```

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

```
.background{ background-color: rgb(255,  
247, 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](#).

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