

Converting Colors

$Yxy(87.6672, 0.4247, 0.4998)$

Have a look what the booklet for
Yxy(87.6672, 0.4247, 0.4998)
contains.

Yxy(87.8013, 0.4245, 0.4999)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.8013, 0.4245, 0.4999)

Conversions

Conversions Part 1

Format	Color
Hex	FFF709
RGB	255, 247, 9
RGB Percent	100%, 97%, 4%
CMY	0.0000, 0.0314, 0.9643
CMYK	0.00, 0.03, 0.96, 0.00
HSL	58°, 100%, 52%
HSV	58°, 96%, 100%
XYZ	74.5582, 87.8013, 13.2782
YIQ	222.2600, 81.1660, -72.3220

Conversions

Conversions Part 2

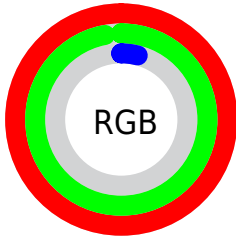
Format	Color
R _Y B	17, 255, 9
Decimal	16774921
CIE Lab	95.08, -17.65, 92.33
CIE LCh	95, 94.005, 100.823
Yxy	87.8013, 0.4245, 0.4999
Android (android.graphics.Color)	4294965001 (0xFFFFF709)
YUV	222.2600, -105.1372, 28.7130
Hunter-Lab	93.7023, -21.9481, 57.1899

Details

The Yxy color **87.8013, 0.4245, 0.4999** 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 **7.6832, 0.1516, 0.0634**, and the grayscale version is **73.9636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6431, 0.3998, 0.4729**, and **48.5991, 0.4211, 0.5038** is the 20% darker color. If you saturate the color by 10%, you get **87.5991, 0.4252, 0.5006**, and if you desaturate by 10%, it is **88.4080, 0.4213, 0.4963**.

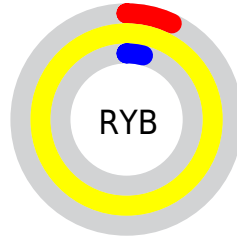
Distribution



Red (100%)

Green (97%)

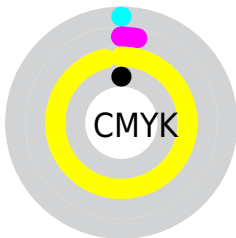
Blue (4%)



Red (7%)

Yellow (100%)

Blue (4%)

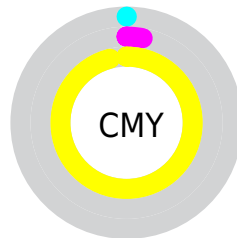


Cyan (0%)

Magenta (3%)

Yellow (96%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.8013, 0.4245, 0.4999 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 87.8013, 0.4245, 0.4999 by changing the saturation by 10% instead.


 87.8013, 0.4245,
0.4999

 87.8013, 0.4245,
0.4999


520.8523, 0.3846,
0.4304


 66.1585, 0.4299,
0.5121

 144.2805, 0.4136,
0.4786

 48.4011, 0.4348,
0.5252


 179.8857, 0.4085,
0.4695

 34.1446, 0.4383,
0.5387


 220.9138, 0.4037,
0.4612

 23.0047, 0.4411,
0.5545

 267.7493, 0.3992,
0.4538

 14.5970, 0.4356,
0.5644

 320.7765, 0.3951,
0.4471

 8.5370, 0.4252,
0.5748


 380.3798, 0.3913,


 4.4405, 0.4095,


0.4410


0.5905


446.9436, 0.3878,
0.4354


 1.9229, 0.3835,
0.6165


 0.5621, 0.1553,
0.8447


 87.8013, 0.4245,
0.4999


 87.8013, 0.4245,
0.4999


 87.5991, 0.4252,
0.5006


 88.4080, 0.4213,
0.4963

 89.1273, 0.4156,
0.4885

 89.9787, 0.4072,
0.4762


 90.9787, 0.3962,
0.4598

 92.1413, 0.3832,
0.4398

 93.4789, 0.3687,
0.4174

 95.0027, 0.3533,
0.3933

 96.7229, 0.3377,
0.3687

 98.6491, 0.3223,
0.3443

Harmonies

Analogous

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



87.8013, 0.4953, 0.4321



87.8013, 0.4245, 0.4999



87.8013, 0.3313, 0.5264

Triad

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



87.8013, 0.4245, 0.4999



87.8013, 0.1432, 0.2441



87.8013, 0.3692, 0.2332

Complementary

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



87.8013, 0.4245, 0.4999



7.6832, 0.1516, 0.0634

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.



87.8013, 0.2639, 0.1933



87.8013, 0.4245, 0.4999



87.8013, 0.1499, 0.1926

Square

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



87.8013, 0.4245, 0.4999



87.8013, 0.1713, 0.3427



87.8013, 0.1890, 0.1784



87.8013, 0.4706, 0.2917

Rectangle

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



87.8013, 0.4245, 0.4999



87.8013, 0.2677, 0.4951



87.8013, 0.1890, 0.1784



87.8013, 0.3321, 0.2174

Sweetspot

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



87.8002, 0.4245, 0.4999



94.5924, 0.3573, 0.3996



21.4992, 0.6332, 0.3285



20.1070, 0.3639, 0.4099



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.



87.8002, 0.4245, 0.4999



87.5991, 0.4252, 0.5006



77.1373, 0.3419, 0.5651



20.9833, 0.3270, 0.3517



45.8176, 0.4251, 0.5007



4.4917, 0.4244, 0.5012

Inverse Universe

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



7.6832, 0.1516, 0.0634



7.4001, 0.1504, 0.0614



11.6923, 0.1979, 0.0875



17.4724, 0.2978, 0.3052



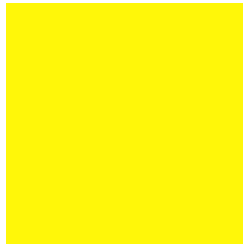
3.9077, 0.1506, 0.0619



0.4124, 0.1518, 0.0665

Previews

White Background



This preview shows how the Yxy color 87.8013, 0.4245, 0.4999 looks on a white background.

Color Contrast Check

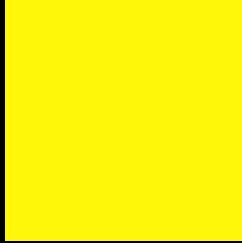
Large Text (above 18pt) WCAG AA × Fail

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 87.8013, 0.4245, 0.4999 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 87.8013, 0.4245, 0.4999

Background



This preview shows how black text looks on a background with the Yxy color 87.8013, 0.4245, 0.4999.



This preview shows how white text looks on a background with the Yxy color 87.8013, 0.4245, 0.4999.

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



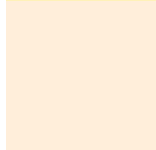
Original Color

87.8013, 0.4245, 0.4999



Protanopia

87.6313, 0.3584, 0.3861



Deuteranopia

87.4710, 0.3369, 0.3489



Tritanopia

87.7826, 0.3204, 0.3212

Trichromacy



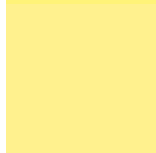
Original Color

87.8013, 0.4245, 0.4999



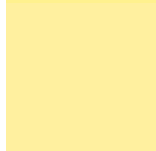
Protanomaly

86.7173, 0.3955, 0.4473



Deuteranomaly

86.1236, 0.3844, 0.4267



Tritanomaly

86.0834, 0.3745, 0.4099

Monochromacy



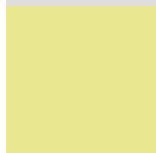
Original Color

87.8013, 0.4245, 0.4999



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.6886, 0.3709, 0.4206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8013, 0.4245, 0.4999 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, 9)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 9)  
}
```

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, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 9) }
```

Border

The CSS property to change the border of an element to Yxy 87.8013, 0.4245, 0.4999 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, 9) }
```

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

```
.border{ border-color:rgb(255, 247, 9) }
```

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, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 9);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
9) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8013, 0.4245, 0.4999 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, 9) }
```

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

```
.background{ background-color: rgb(255,  
247, 9) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor