

Converting Colors

Yxy(87.8867, 0.4052, 0.5165)

Have a look what the booklet for
Yxy(87.8867, 0.4052, 0.5165)
contains.

Yxy(87.5742, 0.4053, 0.5164)	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(87.5742, 0.4053, 0.5164)

Conversions

Conversions Part 1

Format	Color
Hex	E9FD00
RGB	233, 253, 0
RGB Percent	91%, 99%, 0%
CMY	0.0862, 0.0078, 1.0000
CMYK	0.08, 0.00, 1.00, 0.01
HSL	65°, 100%, 50%
HSV	65°, 100%, 99%
XYZ	68.7332, 87.5742, 13.2786
YIQ	218.1780, 69.2930, -82.9230

Conversions

Conversions Part 2

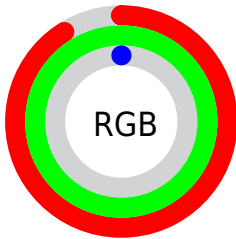
Format	Color
RYB	0, 253, 20
Decimal	15334656
CIELab	94.98, -29.57, 92.17
CIELCh	95, 96.795, 107.791
Yxy	87.5742, 0.4053, 0.5164
Android (android.graphics.Color)	4293524736 (0xFFE9FD00)
YUV	218.1780, -107.5618, 12.9989
Hunter-Lab	93.5811, -32.6627, 57.0939

Details

The Yxy color **87.5742, 0.4053, 0.5164** 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 **7.2406, 0.1519, 0.0610**, and the grayscale version is **70.9661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **48.7032, 0.3971, 0.5229** is the 20% darker color. If you saturate the color by 10%, you get **87.5783, 0.4053, 0.5164**, and if you desaturate by 10%, it is **87.9882, 0.4049, 0.5121**.

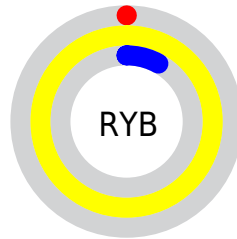
Distribution



Red (91%)

Green (99%)

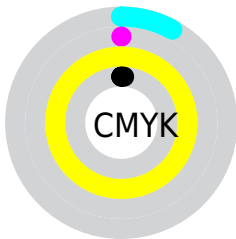
Blue (0%)



Red (0%)

Yellow (99%)

Blue (8%)

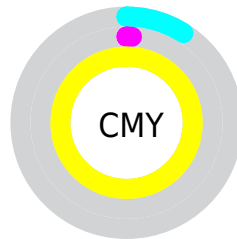


Cyan (8%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (9%)

Magenta (1%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5742, 0.4053, 0.5164 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 87.5742, 0.4053, 0.5164 by changing the saturation by 10% instead.


 87.5742, 0.4053,
0.5164


 87.5742, 0.4053,
0.5164


520.1078, 0.3745,
0.4372


 65.9705, 0.4087,
0.5310


 143.9642, 0.3975,
0.4915


 48.2484, 0.4110,
0.5472


 179.5193, 0.3936,
0.4810


 34.0237, 0.4114,
0.5645

 220.4936, 0.3899,
0.4717

 22.9118, 0.4100,
0.5853

 267.2716, 0.3864,
0.4633

 14.5284, 0.3992,
0.6008

 320.2376, 0.3831,
0.4558

 8.4891, 0.3812,
0.6188


 379.7761, 0.3800,


 4.4095, 0.3542,

0.4490

0.6458


446.2713, 0.3771,
0.4428


 1.9051, 0.3096,
0.6904


 0.5515, 0.0000,
1.0000


 87.5742, 0.4053,
0.5164


 87.5742, 0.4053,
0.5164

 87.5783, 0.4053,
0.5164

 87.9882, 0.4049,
0.5121

 88.4943, 0.4023,
0.5040

 89.1252, 0.3971,
0.4914

 89.8982, 0.3893,
0.4744

90.8277, 0.3791,
0.4538

91.9264, 0.3672,
0.4304

93.2058, 0.3541,
0.4053

94.6761, 0.3403,
0.3795

96.3469, 0.3264,
0.3538

Harmonies

Analogous

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



87.5742, 0.4858, 0.4508



87.5742, 0.4053, 0.5164



87.5742, 0.3078, 0.5271

Triad

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



87.5742, 0.4053, 0.5164



87.5742, 0.1380, 0.2251



87.5742, 0.3974, 0.2433

Complementary

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



87.5742, 0.4053, 0.5164



7.2406, 0.1519, 0.0610

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.



87.5742, 0.2854, 0.1975



87.5742, 0.4053, 0.5164



87.5742, 0.1525, 0.1829

Square

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



87.5742, 0.4053, 0.5164



87.5742, 0.1575, 0.3149



87.5742, 0.2003, 0.1761



87.5742, 0.4930, 0.3058

Rectangle

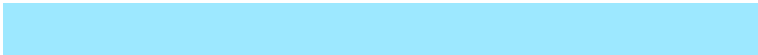
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.5742, 0.4053, 0.5164



87.5742, 0.2445, 0.4793



87.5742, 0.2003, 0.1761



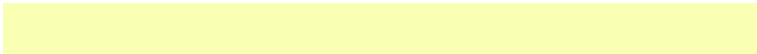
87.5742, 0.3590, 0.2257

Sweetspot

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



87.5783, 0.4053, 0.5164



94.8862, 0.3541, 0.4053



21.2799, 0.6366, 0.3328



20.1870, 0.3597, 0.4160



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.



87.5783, 0.4053, 0.5164



89.1576, 0.4053, 0.5164



73.5436, 0.3267, 0.5788



21.0135, 0.3257, 0.3526



46.6174, 0.4055, 0.5162



4.5597, 0.4072, 0.5149

Inverse Universe

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



7.2406, 0.1519, 0.0610



7.3702, 0.1519, 0.0610



12.9645, 0.2142, 0.0953



17.4463, 0.2991, 0.3045



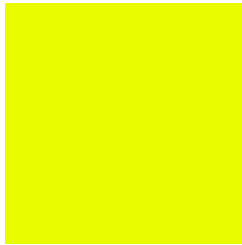
3.8751, 0.1524, 0.0613



0.3998, 0.1578, 0.0643

Previews

White Background



This preview shows how the Yxy color 87.5742, 0.4053, 0.5164 looks on a white background.

Color Contrast Check

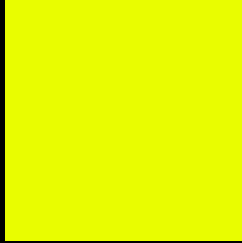
Large Text (above 18pt) WCAG AA × Fail

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 87.5742, 0.4053, 0.5164 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 87.5742, 0.4053, 0.5164

Background



This preview shows how black text looks on a background with the Yxy color 87.5742, 0.4053, 0.5164.

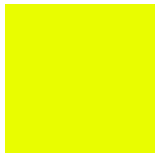


This preview shows how white text looks on a background with the Yxy color 87.5742, 0.4053, 0.5164.

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



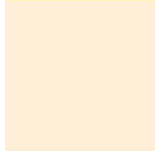
Original Color

87.5742, 0.4053, 0.5164



Protanopia

86.9164, 0.3606, 0.3882



Deuteranopia

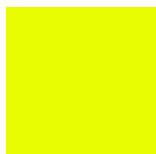
87.3669, 0.3382, 0.3509



Tritanopia

87.0816, 0.3116, 0.3105

Trichromacy



Original Color

87.5742, 0.4053, 0.5164



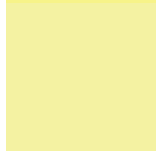
Protanomaly

86.3168, 0.3913, 0.4557



Deuteranomaly

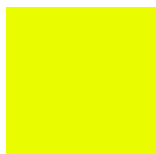
85.6815, 0.3806, 0.4352



Tritanomaly

85.3460, 0.3641, 0.4111

Monochromacy



Original Color

87.5742, 0.4053, 0.5164



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

74.7039, 0.3662, 0.4297

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5742, 0.4053, 0.5164 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(233, 253, 0)` looks like.

```
.text, #text, p{  
    color:rgb(233, 253, 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(233, 253, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 253, 0) }
```

Border

The CSS property to change the border of an element to Yxy 87.5742, 0.4053, 0.5164 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(233, 253, 0) }
```

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

```
.border{ border-color:rgb(233, 253, 0) }
```

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

Here you see how a box with a 4 pixel rgb(233, 253, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 253, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 253, 0);  
box-shadow:4px 4px 4px 4px rgb(233, 253,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5742, 0.4053, 0.5164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 253, 0) }
```

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

```
.background{ background-color: rgb(233,  
253, 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](#).

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