

Converting Colors

Yxy(87.6769, 0.4075, 0.5146)

Have a look what the booklet for
Yxy(87.6769, 0.4075, 0.5146)
contains.

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Color

Yxy(87.4537, 0.4081, 0.5142)

Conversions

Conversions Part 1

Format	Color
Hex	ECFC00
RGB	236, 252, 0
RGB Percent	93%, 99%, 0%
CMY	0.0744, 0.0118, 1.0000
CMYK	0.06, 0.00, 1.00, 0.01
HSL	64°, 100%, 49%
HSV	64°, 100%, 99%
XYZ	69.4085, 87.4537, 13.2150
YIQ	218.4880, 71.3560, -81.7640

Conversions

Conversions Part 2

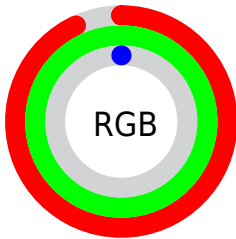
Format	Color
RYB	0, 252, 16
Decimal	15531008
CIELab	94.93, -27.89, 92.24
CIELCh	95, 96.362, 106.824
Yxy	87.4537, 0.4081, 0.5142
Android (android.graphics.Color)	4293721088 (0xFFECFC00)
YUV	218.4880, -107.7146, 15.3580
Hunter-Lab	93.5167, -31.1707, 57.0833

Details

The Yxy color **87.4537, 0.4081, 0.5142** 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 **7.1382, 0.1514, 0.0608**, and the grayscale version is **71.1942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **48.5938, 0.4005, 0.5202** is the 20% darker color. If you saturate the color by 10%, you get **87.4582, 0.4081, 0.5142**, and if you desaturate by 10%, it is **87.8039, 0.4074, 0.5102**.

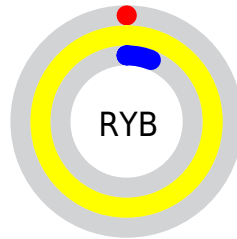
Distribution



Red (93%)

Green (99%)

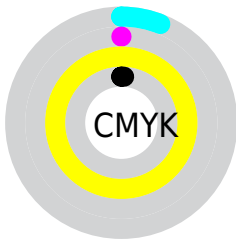
Blue (0%)



Red (0%)

Yellow (99%)

Blue (6%)

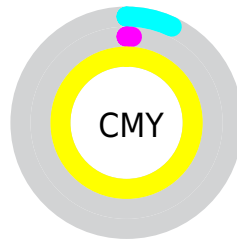


Cyan (6%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (7%)


Magenta (1%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.4537, 0.4081, 0.5142 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 87.4537, 0.4081, 0.5142 by changing the saturation by 10% instead.


 87.4537, 0.4081,
0.5142

 87.4537, 0.4081,
0.5142


519.7126, 0.3760,
0.4364


 65.8707, 0.4118,
0.5285

 143.7964, 0.3999,
0.4898


 48.1675, 0.4145,
0.5442


 179.3248, 0.3958,
0.4795


 33.9595, 0.4152,
0.5610


 220.2706, 0.3919,
0.4703

 22.8625, 0.4145,
0.5811

 267.0180, 0.3883,
0.4620

 14.4920, 0.4043,
0.5957

 319.9516, 0.3849,
0.4546

 8.4637, 0.3874,
0.6126


 379.4556, 0.3817,


 4.3930, 0.3619,


0.4479


0.6381


445.9144, 0.3787,
0.4419


 1.8958, 0.3197,
0.6803


 0.5458, 0.0000,
1.0000


 87.4537, 0.4081,
0.5142


 87.4537, 0.4081,
0.5142

 87.4582, 0.4081,
0.5142

 87.8039, 0.4074,
0.5102

 88.2437, 0.4046,
0.5024

 88.8058, 0.3991,
0.4901

 89.5073, 0.3909,
0.4734

■ 90.3625, 0.3805,
0.4531

■ 91.3840, 0.3683,
0.4300

■ 92.5830, 0.3549,
0.4050

■ 93.9698, 0.3408,
0.3794

■ 95.5540, 0.3266,
0.3538

Harmonies

Analogous

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



87.4537, 0.4874, 0.4481



87.4537, 0.4081, 0.5142



87.4537, 0.3111, 0.5273

Triad

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



87.4537, 0.4081, 0.5142



87.4537, 0.1386, 0.2276



87.4537, 0.3934, 0.2418

Complementary

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



87.4537, 0.4081, 0.5142



7.1382, 0.1514, 0.0608

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.



87.4537, 0.2822, 0.1968



87.4537, 0.4081, 0.5142



87.4537, 0.1520, 0.1841

Square

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



87.4537, 0.4081, 0.5142



87.4537, 0.1593, 0.3187



87.4537, 0.1986, 0.1763



87.4537, 0.4901, 0.3038

Rectangle

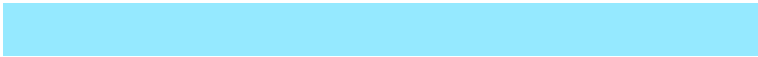
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.4537, 0.4081, 0.5142



87.4537, 0.2477, 0.4819



87.4537, 0.1986, 0.1763



87.4537, 0.3552, 0.2244

Sweetspot

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



87.4582, 0.4081, 0.5142



95.1065, 0.3549, 0.4051



20.9731, 0.6376, 0.3319



20.2406, 0.3607, 0.4157



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.



87.4582, 0.4081, 0.5142



89.8426, 0.4081, 0.5142



73.1578, 0.3288, 0.5772



20.1315, 0.3259, 0.3525



45.5829, 0.4083, 0.5140



4.2382, 0.4097, 0.5129

Inverse Universe

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



7.1382, 0.1514, 0.0608



7.3316, 0.1514, 0.0608



12.4828, 0.2106, 0.0934



16.6955, 0.2989, 0.3045



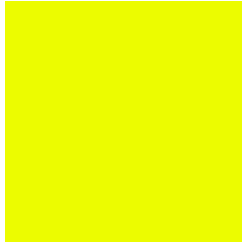
3.7390, 0.1519, 0.0610



0.3641, 0.1565, 0.0636

Previews

White Background



This preview shows how the Yxy color 87.4537, 0.4081, 0.5142 looks on a white background.

Color Contrast Check

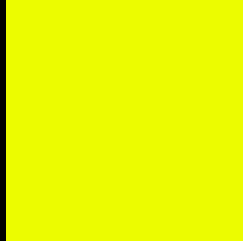
Large Text (above 18pt) WCAG AA × Fail

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 87.4537, 0.4081, 0.5142 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 87.4537, 0.4081, 0.5142

Background



This preview shows how black text looks on a background with the Yxy color 87.4537, 0.4081, 0.5142.

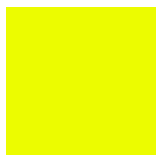


This preview shows how white text looks on a background with the Yxy color 87.4537, 0.4081, 0.5142.

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



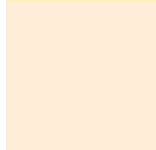
Original Color

87.4537, 0.4081, 0.5142



Protanopia

86.8755, 0.3613, 0.3892



Deuteranopia

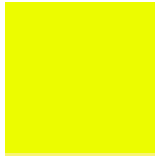
86.7862, 0.3384, 0.3499



Tritanopia

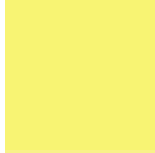
87.0083, 0.3142, 0.3106

Trichromacy



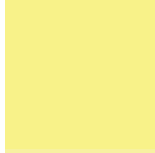
Original Color

87.4537, 0.4081, 0.5142



Protanomaly

85.8956, 0.3925, 0.4546



Deuteranomaly

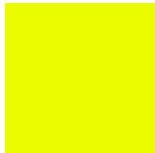
85.2669, 0.3817, 0.4341



Tritanomaly

85.2580, 0.3672, 0.4106

Monochromacy



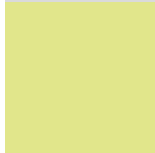
Original Color

87.4537, 0.4081, 0.5142



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

74.4653, 0.3681, 0.4282

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4537, 0.4081, 0.5142 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(236, 252, 0)` looks like.

```
.text, #text, p{  
    color:rgb(236, 252, 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(236, 252, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 252, 0) }
```

Border

The CSS property to change the border of an element to Yxy 87.4537, 0.4081, 0.5142 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(236, 252, 0) }
```

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

```
.border{ border-color:rgb(236, 252, 0) }
```

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

Here you see how a box with a 4 pixel rgb(236, 252, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 252, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 252, 0);  
box-shadow:4px 4px 4px 4px rgb(236, 252,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4537, 0.4081, 0.5142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 252, 0) }
```

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

```
.background{ background-color: rgb(236,  
252, 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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