

Converting Colors

$Y_{xy}(90.1222, 0.4092, 0.5133)$

Have a look what the booklet for
Yxy(90.1222, 0.4092, 0.5133)
contains.

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Color

Yxy(90.0453, 0.4089, 0.5135)

Conversions

Conversions Part 1

Format	Color
Hex	F0FF00
RGB	240, 255, 0
RGB Percent	94%, 100%, 0%
CMY	0.0587, 0.0000, 0.9990
CMYK	0.06, 0.00, 1.00, 0.00
HSL	64°, 100%, 50%
HSV	64°, 100%, 100%
XYZ	71.7031, 90.0453, 13.6076
YIQ	221.4450, 72.9150, -82.4850

Conversions

Conversions Part 2

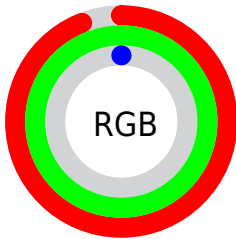
Format	Color
RYB	0, 255, 15
Decimal	15793920
CIELab	96.02, -27.66, 93.14
CIELCh	96, 97.157, 106.540
Yxy	90.0453, 0.4089, 0.5135
Android (android.graphics.Color)	4293984000 (0xFFFF0FF0)
YUV	221.4450, -109.1724, 16.2727
Hunter-Lab	94.8922, -31.1820, 57.9223

Details

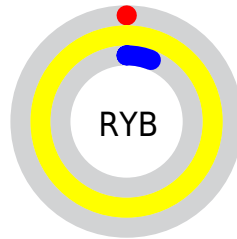
The Yxy color **90.0453, 0.4089, 0.5135** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.3290, 0.1513, 0.0608**, and the grayscale version is **73.4073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6245, 0.4002, 0.4736**, and **49.9719, 0.4025, 0.5186** is the 20% darker color. If you saturate the color by 10%, you get **90.0462, 0.4089, 0.5135**, and if you desaturate by 10%, it is **90.3858, 0.4082, 0.5096**.

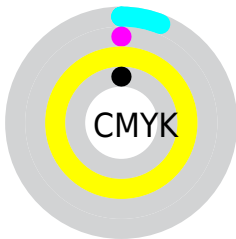
Distribution



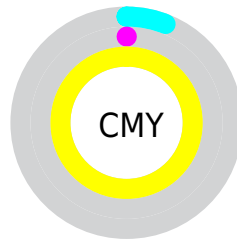
- Red (94%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (6%)



- Cyan (6%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)




- Cyan (6%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.0453, 0.4089, 0.5135 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 90.0453, 0.4089, 0.5135 by changing the saturation by 10% instead.


 90.0453, 0.4089,
0.5135

 90.0453, 0.4089,
0.5135


528.1782, 0.3766,
0.4365

 68.0182, 0.4126,
0.5276


 147.4013, 0.4006,
0.4895

 49.9126, 0.4154,
0.5429


 183.4990, 0.3966,
0.4793


 35.3439, 0.4164,
0.5594


 225.0558, 0.3927,
0.4702

 23.9279, 0.4156,
0.5786

 272.4559, 0.3890,
0.4620

 15.2802, 0.4065,
0.5935

 326.0838, 0.3856,
0.4547

 9.0162, 0.3904,
0.6096


 386.3239, 0.3824,


 4.7518, 0.3663,


0.4480


0.6337


453.5606, 0.3794,
0.4420


 2.1024, 0.3270,
0.6730


 0.6660, 0.0000,
1.0000


 90.0453, 0.4089,
0.5135


 90.0453, 0.4089,
0.5135


 90.0462, 0.4089,
0.5135

 90.3858, 0.4082,
0.5096


 90.8193, 0.4052,
0.5018


 91.3782, 0.3996,
0.4896


 92.0801, 0.3914,
0.4730

 92.9400, 0.3809,
0.4527

 93.9707, 0.3685,
0.4297

 95.1836, 0.3550,
0.4048

 96.5895, 0.3408,
0.3791

 98.1980, 0.3266,
0.3535

Harmonies

Analogous

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



90.0453, 0.4878, 0.4473



90.0453, 0.4089, 0.5135



90.0453, 0.3121, 0.5273

Triad

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



90.0453, 0.4089, 0.5135



90.0453, 0.1389, 0.2284



90.0453, 0.3922, 0.2414

Complementary

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



90.0453, 0.4089, 0.5135



7.3290, 0.1513, 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.



90.0453, 0.2813, 0.1966



90.0453, 0.4089, 0.5135



90.0453, 0.1519, 0.1845

Square

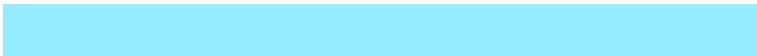
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.0453, 0.4089, 0.5135



90.0453, 0.1598, 0.3198



90.0453, 0.1981, 0.1764



90.0453, 0.4892, 0.3032

Rectangle

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



90.0453, 0.4089, 0.5135



90.0453, 0.2487, 0.4826



90.0453, 0.1981, 0.1764



90.0453, 0.3540, 0.2241

Sweetspot

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



90.0495, 0.4089, 0.5135



95.1717, 0.3551, 0.4050



21.5480, 0.6375, 0.3319



20.2565, 0.3610, 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.



90.0495, 0.4089, 0.5135



90.0475, 0.4089, 0.5135



75.1571, 0.3288, 0.5771



21.0332, 0.3260, 0.3525



47.0752, 0.4091, 0.5134



4.5994, 0.4103, 0.5124

Inverse Universe

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



7.3290, 0.1513, 0.0608



7.3215, 0.1513, 0.0607



12.8328, 0.2107, 0.0935



17.4287, 0.2988, 0.3045



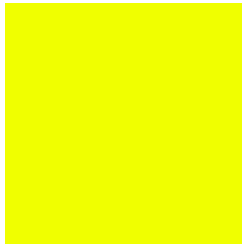
3.8454, 0.1517, 0.0610



0.3915, 0.1558, 0.0632

Previews

White Background



This preview shows how the Yxy color 90.0453, 0.4089, 0.5135 looks on a white background.

Color Contrast Check

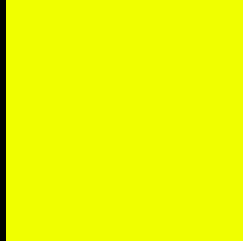
Large Text (above 18pt) WCAG AA × Fail

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 90.0453, 0.4089, 0.5135 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 90.0453, 0.4089, 0.5135

Background



This preview shows how black text looks on a background with the Yxy color 90.0453, 0.4089, 0.5135.

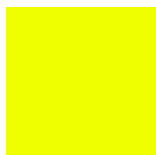


This preview shows how white text looks on a background with the Yxy color 90.0453, 0.4089, 0.5135.

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



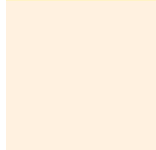
Original Color

90.0453, 0.4089, 0.5135



Protanopia

89.4384, 0.3490, 0.3739



Deuteranopia

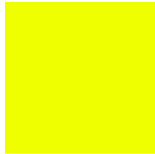
89.5524, 0.3327, 0.3458



Tritanopia

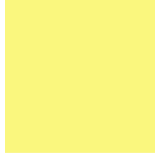
89.5009, 0.3147, 0.3146

Trichromacy



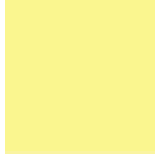
Original Color

90.0453, 0.4089, 0.5135



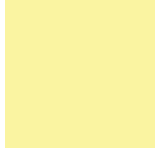
Protanomaly

88.3519, 0.3870, 0.4472



Deuteranomaly

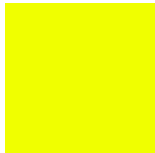
88.2187, 0.3782, 0.4314



Tritanomaly

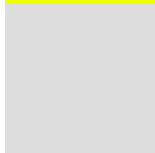
87.5986, 0.3684, 0.4126

Monochromacy



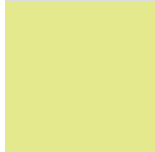
Original Color

90.0453, 0.4089, 0.5135



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

76.6949, 0.3681, 0.4281

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.0453, 0.4089, 0.5135 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(240, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 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(240, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 90.0453, 0.4089, 0.5135 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(240, 255, 0) }
```

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

```
.border{ border-color:rgb(240, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 90.0453, 0.4089, 0.5135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 0) }
```

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

```
.background{ background-color: rgb(240,  
255, 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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