

Converting Colors

Yxy(90.5564, 0.4033, 0.5014)

Have a look what the booklet for
Yxy(90.5564, 0.4033, 0.5014)
contains.

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Color

Yxy(90.4966, 0.4030, 0.5014)

Conversions

Conversions Part 1

Format	Color
Hex	F1FF37
RGB	241, 255, 55
RGB Percent	95%, 100%, 22%
CMY	0.0547, 0.0000, 0.7841
CMYK	0.05, 0.00, 0.78, 0.00
HSL	64°, 100%, 61%
HSV	64°, 78%, 100%
XYZ	72.7366, 90.4966, 17.2546
YIQ	228.0140, 55.8560, -65.1680

Conversions

Conversions Part 2

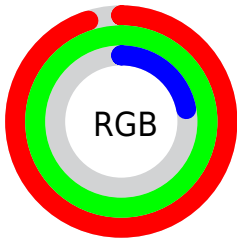
Format	Color
R _Y B	55, 255, 69
Decimal	15859511
CIE Lab	96.20, -26.29, 85.22
CIE LCh	96, 89.185, 107.143
Yxy	90.4966, 0.4030, 0.5014
Android (android.graphics.Color)	4294049591 (0xFFFF1FF37)
YUV	228.0140, -85.2959, 11.3887
Hunter-Lab	95.1297, -29.9951, 55.8368

Details

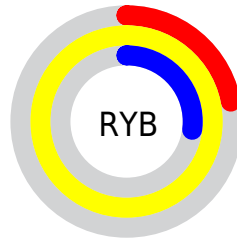
The Yxy color **90.4966, 0.4030, 0.5014** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **11.2233, 0.1699, 0.0872**, and the grayscale version is **78.2110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1119, 0.3903, 0.4572**, and **50.2119, 0.4043, 0.5172** is the 20% darker color. If you saturate the color by 10%, you get **90.0041, 0.4061, 0.5100**, and if you desaturate by 10%, it is **91.1267, 0.3972, 0.4883**.

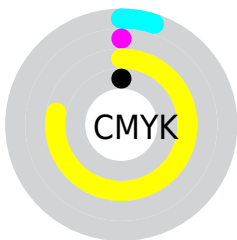
Distribution



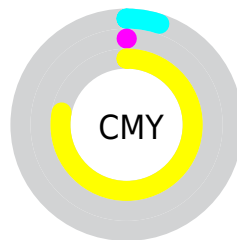
- Red (95%)
- Green (100%)
- Blue (22%)



- Red (22%)
- Yellow (100%)
- Blue (27%)



- Cyan (5%)
- Magenta (0%)
- Yellow (78%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.4966, 0.4030, 0.5014 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 90.4966, 0.4030, 0.5014 by changing the saturation by 10% instead.


 90.4966, 0.4030,
0.5014

 90.4966, 0.4030,
0.5014


529.6449, 0.3711,
0.4280


 68.3926, 0.4073,
0.5154


 148.0280, 0.3943,
0.4780


 50.2172, 0.4111,
0.5311


 184.2242, 0.3902,
0.4682


 35.5860, 0.4137,
0.5485


 225.8866, 0.3864,
0.4596

 24.1146, 0.4137,
0.5671

 273.3995, 0.3828,
0.4518

 15.4187, 0.4109,
0.5891

 327.1474, 0.3795,
0.4449

 9.1137, 0.3957,
0.6043

387.5147, 0.3765,

 4.8155, 0.3731,

0.4387

0.6269

454.8857, 0.3737,
0.4331

■ 2.1394, 0.3361,
0.6639

■ 0.6866, 0.0156,
0.9844

■ 90.4966, 0.4030,
0.5014

■ 90.4966, 0.4030,
0.5014

■ 90.0041, 0.4061,
0.5100

■ 91.1267, 0.3972,
0.4883

■ 89.6128, 0.4069,
0.5145

■ 91.8989, 0.3888,
0.4709


■ 89.5551, 0.4069,
0.5151

■ 92.8319, 0.3782,
0.4499

■ 93.9383, 0.3658,
0.4263

 95.2296, 0.3524,
0.4011

 96.7162, 0.3384,
0.3753

 98.4077, 0.3243,
0.3498

99.9965, 0.3127,
0.3290

Harmonies

Analogous

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



90.4966, 0.4757, 0.4437



90.4966, 0.4030, 0.5014



90.4966, 0.3126, 0.5084

Triad

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



90.4966, 0.4030, 0.5014



90.4966, 0.1498, 0.2356



90.4966, 0.3882, 0.2487

Complementary

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



90.4966, 0.4030, 0.5014



11.2233, 0.1699, 0.0872

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.



90.4966, 0.2862, 0.2058



90.4966, 0.4030, 0.5014



90.4966, 0.1626, 0.1940

Square

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



90.4966, 0.4030, 0.5014



90.4966, 0.1699, 0.3198



90.4966, 0.2075, 0.1863



90.4966, 0.4760, 0.3078

Rectangle

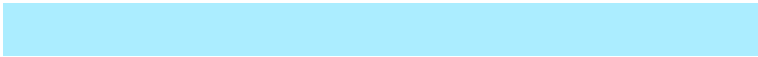
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.4966, 0.4030, 0.5014



90.4966, 0.2533, 0.4660



90.4966, 0.2075, 0.1863



90.4966, 0.3534, 0.2322

Sweetspot

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



90.5008, 0.4030, 0.5014



95.8649, 0.3462, 0.3898



25.7167, 0.5792, 0.3384



20.4093, 0.3512, 0.3989



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.



90.5008, 0.4030, 0.5014



89.7794, 0.4068, 0.5130



77.5170, 0.3369, 0.5492



21.0224, 0.3258, 0.3526



46.8241, 0.4071, 0.5149



4.5777, 0.4086, 0.5138

Inverse Universe

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



11.2233, 0.1699, 0.0872



7.8777, 0.1545, 0.0647



18.3216, 0.2373, 0.1220



17.4383, 0.2989, 0.3045



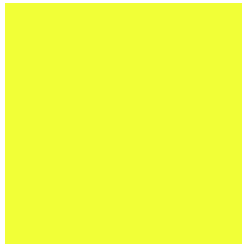
3.8608, 0.1521, 0.0611



0.3960, 0.1569, 0.0638

Previews

White Background



This preview shows how the Yxy color 90.4966, 0.4030, 0.5014 looks on a white background.

Color Contrast Check

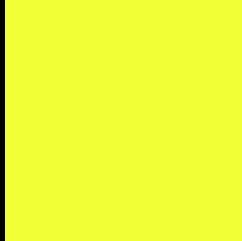
Large Text (above 18pt) WCAG AA × Fail

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 90.4966, 0.4030, 0.5014 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 90.4966, 0.4030, 0.5014

Background



This preview shows how black text looks on a background with the Yxy color 90.4966, 0.4030, 0.5014.



This preview shows how white text looks on a background with the Yxy color 90.4966, 0.4030, 0.5014.

Color Blindness Simulation

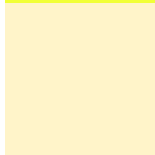
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



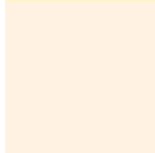
Original Color

90.4966, 0.4030, 0.5014



Protanopia

90.1784, 0.3469, 0.3718



Deuteranopia

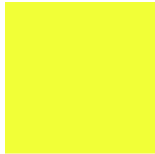
90.2552, 0.3313, 0.3448



Tritanopia

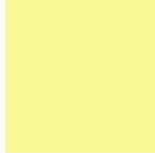
90.0849, 0.3147, 0.3155

Trichromacy



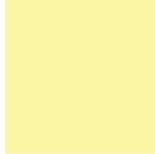
Original Color

90.4966, 0.4030, 0.5014



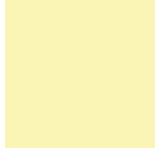
Protanomaly

89.5969, 0.3746, 0.4285



Deuteranomaly

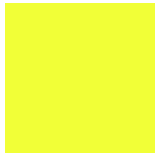
89.5259, 0.3656, 0.4123



Tritanomaly

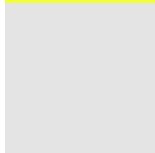
88.9650, 0.3558, 0.3936

Monochromacy



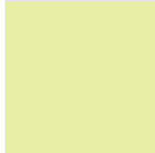
Original Color

90.4966, 0.4030, 0.5014



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

81.1893, 0.3554, 0.4066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.4966, 0.4030, 0.5014 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(241, 255, 55)` looks like.

```
.text, #text, p{  
    color:rgb(241, 255, 55)  
}
```

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(241, 255, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 255, 55) }
```

Border

The CSS property to change the border of an element to Yxy 90.4966, 0.4030, 0.5014 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(241, 255, 55) }
```

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

```
.border{ border-color:rgb(241, 255, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 255, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 255, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 255, 55);  
box-shadow:4px 4px 4px 4px rgb(241, 255,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 90.4966, 0.4030, 0.5014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 255, 55) }
```

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

```
.background{ background-color: rgb(241,  
255, 55) }
```

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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