

Converting Colors

$Y_{xy}(100.0000, 0.3915, 0.5043)$

Have a look what the booklet for
Yxy(100.0000, 0.3915, 0.5043)
contains.

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Color

Yxy(90.6381, 0.3997, 0.4958)

Conversions

Conversions Part 1

Format	Color
Hex	F1FF44
RGB	241, 255, 68
RGB Percent	95%, 100%, 27%
CMY	0.0550, 0.0000, 0.7335
CMYK	0.06, 0.00, 0.73, 0.00
HSL	65°, 100%, 63%
HSV	65°, 73%, 100%
XYZ	73.0699, 90.6381, 19.1038
YIQ	229.4960, 51.6830, -61.1250

Conversions

Conversions Part 2

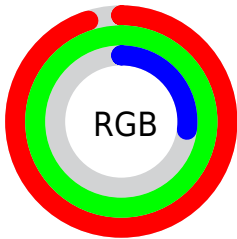
Format	Color
RYB	68, 255, 82
Decimal	15859524
CIELab	96.26, -25.84, 81.59
CIELCh	96, 85.583, 107.576
Yxy	90.6381, 0.3997, 0.4958
Android (android.graphics.Color)	4294049604 (0xFFFF1FF44)
YUV	229.4960, -79.6175, 10.0890
Hunter-Lab	95.2040, -29.6069, 54.7456

Details

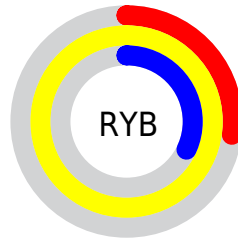
The Yxy color **90.6381, 0.3997, 0.4958** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **13.1417, 0.1779, 0.0991**, and the grayscale version is **79.2975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3650, 0.3855, 0.4493**, and **50.2119, 0.4043, 0.5172** is the 20% darker color. If you saturate the color by 10%, you get **90.0508, 0.4041, 0.5068**, and if you desaturate by 10%, it is **91.3520, 0.3927, 0.4803**.

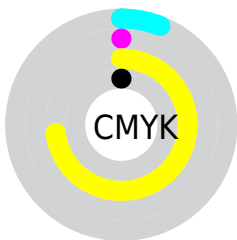
Distribution



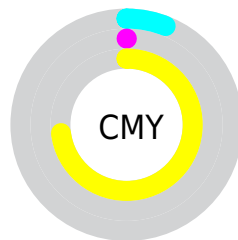
- Red (95%)
- Green (100%)
- Blue (27%)



- Red (27%)
- Yellow (100%)
- Blue (32%)



- Cyan (6%)
- Magenta (0%)
- Yellow (73%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.6381, 0.3997, 0.4958 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 90.6381, 0.3997, 0.4958 by changing the saturation by 10% instead.


 90.6381, 0.3997,
0.4958


 90.6381, 0.3997,
0.4958


530.1044, 0.3683,
0.4241


 68.5100, 0.4042,
0.5097


 148.2244, 0.3909,
0.4727

 50.3128, 0.4083,
0.5255


 184.4514, 0.3869,
0.4632

 35.6620, 0.4115,
0.5432

 226.1469, 0.3831,
0.4547

 24.1732, 0.4123,
0.5625

 273.6952, 0.3797,
0.4472

 15.4622, 0.4123,
0.5877

 327.4807, 0.3765,
0.4405

 9.1444, 0.3974,
0.6026

387.8878, 0.3735,

 4.8355, 0.3752,

0.4345

0.6248

455.3009, 0.3708,
0.4290

■ 2.1511, 0.3390,
0.6610

■ 0.6931, 0.0387,
0.9613

■ 90.6381, 0.3997,
0.4958

■ 90.6381, 0.3997,
0.4958

■ 90.0508, 0.4041,
0.5068

■ 91.3520, 0.3927,
0.4803


■ 89.5894, 0.4059,
0.5134


■ 92.2263, 0.3832,
0.4609

■ 89.3308, 0.4060,
0.5158

■ 93.2685, 0.3717,
0.4384

■ 94.4905, 0.3588,
0.4138

 95.9033, 0.3451,
0.3881

 97.5167, 0.3311,
0.3623

 99.3403, 0.3173,
0.3372

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



90.6381, 0.4698, 0.4419



90.6381, 0.3997, 0.4958



90.6381, 0.3122, 0.4998

Triad

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



90.6381, 0.3997, 0.4958



90.6381, 0.1549, 0.2387



90.6381, 0.3868, 0.2523

Complementary

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



90.6381, 0.3997, 0.4958



13.1417, 0.1779, 0.0991

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.



90.6381, 0.2888, 0.2103



90.6381, 0.3997, 0.4958



90.6381, 0.1678, 0.1983

Square

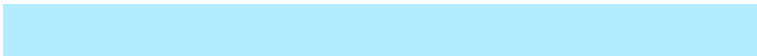
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.6381, 0.3997, 0.4958



90.6381, 0.1744, 0.3193



90.6381, 0.2121, 0.1909



90.6381, 0.4703, 0.3101

Rectangle

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



90.6381, 0.3997, 0.4958



90.6381, 0.2550, 0.4583



90.6381, 0.2121, 0.1909



90.6381, 0.3535, 0.2361

Sweetspot

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



90.6320, 0.3997, 0.4958



96.1094, 0.3432, 0.3846



27.4762, 0.5575, 0.3390



20.4836, 0.3470, 0.3916



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.



90.6320, 0.3997, 0.4958



89.8228, 0.4052, 0.5104



78.3270, 0.3381, 0.5383



21.0173, 0.3257, 0.3526



46.7065, 0.4062, 0.5157



4.5675, 0.4078, 0.5144

Inverse Universe

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



13.1417, 0.1779, 0.0991



8.7939, 0.1593, 0.0710



20.3410, 0.2432, 0.1317



17.4428, 0.2990, 0.3045



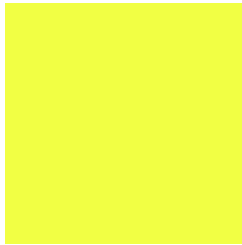
3.8688, 0.1523, 0.0613



0.3982, 0.1574, 0.0641

Previews

White Background



This preview shows how the Yxy color 90.6381, 0.3997, 0.4958 looks on a white background.

Color Contrast Check

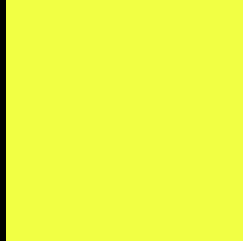
Large Text (above 18pt) WCAG AA × Fail

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 90.6381, 0.3997, 0.4958 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 90.6381, 0.3997, 0.4958

Background



This preview shows how black text looks on a background with the Yxy color 90.6381, 0.3997, 0.4958.



This preview shows how white text looks on a background with the Yxy color 90.6381, 0.3997, 0.4958.

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



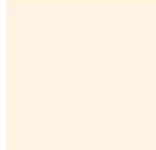
Original Color

90.6381, 0.3997, 0.4958



Protanopia

90.2256, 0.3462, 0.3708



Deuteranopia

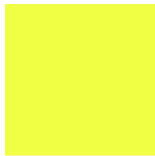
90.3103, 0.3306, 0.3438



Tritanopia

90.1488, 0.3140, 0.3146

Trichromacy



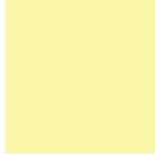
Original Color

90.6381, 0.3997, 0.4958



Protanomaly

89.7587, 0.3718, 0.4238



Deuteranomaly

89.7101, 0.3626, 0.4074



Tritanomaly

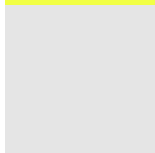
89.1740, 0.3527, 0.3885

Monochromacy



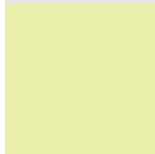
Original Color

90.6381, 0.3997, 0.4958



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

81.3750, 0.3523, 0.4013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.6381, 0.3997, 0.4958 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, 68)` looks like.

```
.text, #text, p{  
    color:rgb(241, 255, 68)  
}
```

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, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 255, 68) }
```

Border

The CSS property to change the border of an element to Yxy 90.6381, 0.3997, 0.4958 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, 68) }
```

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

```
.border{ border-color:rgb(241, 255, 68) }
```

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, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 255, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 255, 68);  
box-shadow:4px 4px 4px 4px rgb(241, 255,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 90.6381, 0.3997, 0.4958 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, 68) }
```

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

```
.background{ background-color: rgb(241,  
255, 68) }
```

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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