

Converting Colors

$Y_{xy}(90.7699, 0.4092, 0.5075)$

Have a look what the booklet for
Yxy(90.7699, 0.4092, 0.5075)
contains.

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Color

Yxy(90.8468, 0.4094, 0.5074)

Conversions

Conversions Part 1

Format	Color
Hex	F4FF1E
RGB	244, 255, 30
RGB Percent	96%, 100%, 12%
CMY	0.0432, 0.0000, 0.8825
CMYK	0.04, 0.00, 0.88, 0.00
HSL	63°, 100%, 56%
HSV	63°, 88%, 100%
XYZ	73.3005, 90.8468, 14.8964
YIQ	226.0610, 65.6690, -72.3070

Conversions

Conversions Part 2

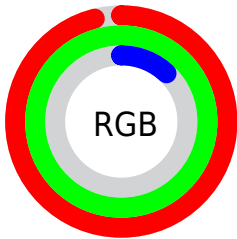
Format	Color
R _Y B	30, 255, 41
Decimal	16056094
CIE Lab	96.35, -25.73, 90.65
CIE LCh	96, 94.228, 105.848
Yxy	90.8468, 0.4094, 0.5074
Android (android.graphics.Color)	4294246174 (0xFFFF4FF1E)
YUV	226.0610, -96.6581, 15.7325
Hunter-Lab	95.3136, -29.5241, 57.4532

Details

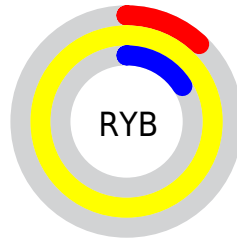
The Yxy color **90.8468, 0.4094, 0.5074** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light washed yellow. A complement of this color would be **8.6174, 0.1576, 0.0699**, and the grayscale version is **76.7722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7999, 0.3965, 0.4675**, and **50.9141, 0.4052, 0.5164** is the 20% darker color. If you saturate the color by 10%, you get **90.5393, 0.4106, 0.5116**, and if you desaturate by 10%, it is **91.2561, 0.4058, 0.4991**.

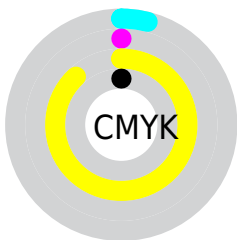
Distribution



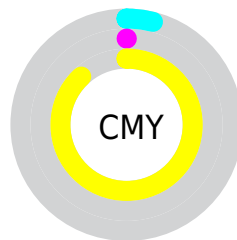
- Red (96%)
- Green (100%)
- Blue (12%)



- Red (12%)
- Yellow (100%)
- Blue (16%)



- Cyan (4%)
- Magenta (0%)
- Yellow (88%)
- Black (0%)





- Cyan (4%)
- Magenta (0%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.8468, 0.4094, 0.5074 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 90.8468, 0.4094, 0.5074 by changing the saturation by 10% instead.

 90.8468, 0.4094,
0.5074


 90.8468, 0.4094,
0.5074


530.7816, 0.3760,
0.4328

 68.6832, 0.4136,
0.5211

 148.5141, 0.4006,
0.4840


 50.4537, 0.4171,
0.5363


 184.7865, 0.3963,
0.4742


 35.7741, 0.4190,
0.5525


 226.5307, 0.3923,
0.4654

 24.2597, 0.4188,
0.5705

 274.1311, 0.3886,
0.4575

 15.5264, 0.4127,
0.5873

 327.9719, 0.3851,
0.4503

 9.1897, 0.3979,
0.6021


388.4377, 0.3818,


 4.8651, 0.3760,


0.4439


0.6240


455.9128, 0.3788,
0.4381


 2.1683, 0.3401,
0.6599


 0.7026, 0.0534,
0.9466

 90.8468, 0.4094,
0.5074


 90.8468, 0.4094,
0.5074


 90.5393, 0.4106,
0.5116


 91.2561, 0.4058,
0.4991


 90.4908, 0.4107,
0.5121


 91.7947, 0.3996,
0.4864


 92.4783, 0.3908,
0.4693

 93.3214, 0.3798,
0.4487

 94.3365, 0.3670,
0.4254

 95.5352, 0.3532,
0.4004

 96.9277, 0.3388,
0.3748

 98.5237, 0.3244,
0.3494

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.



90.8468, 0.4849, 0.4438



90.8468, 0.4094, 0.5074



90.8468, 0.3153, 0.5208

Triad

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



90.8468, 0.4094, 0.5074



90.8468, 0.1432, 0.2333



90.8468, 0.3873, 0.2426

Complementary

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



90.8468, 0.4094, 0.5074



8.6174, 0.1576, 0.0699

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.



90.8468, 0.2802, 0.1992



90.8468, 0.4094, 0.5074



90.8468, 0.1552, 0.1890

Square

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



90.8468, 0.4094, 0.5074



90.8468, 0.1650, 0.3233



90.8468, 0.1999, 0.1800



90.8468, 0.4819, 0.3030

Rectangle

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



90.8468, 0.4094, 0.5074



90.8468, 0.2532, 0.4789



90.8468, 0.1999, 0.1800



90.8468, 0.3504, 0.2258

Sweetspot

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



90.8455, 0.4094, 0.5074



95.8313, 0.3500, 0.3947



22.7057, 0.6176, 0.3327



20.4151, 0.3549, 0.4035



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.



90.8455, 0.4094, 0.5074



90.4908, 0.4107, 0.5121



76.7628, 0.3372, 0.5629



21.0428, 0.3262, 0.3525



47.3032, 0.4108, 0.5120



4.6191, 0.4118, 0.5112

Inverse Universe

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



8.6174, 0.1576, 0.0699



7.3016, 0.1510, 0.0606



14.6290, 0.2197, 0.1034



17.4201, 0.2986, 0.3045



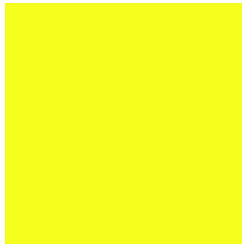
3.8330, 0.1514, 0.0608



0.3874, 0.1549, 0.0627

Previews

White Background



This preview shows how the Yxy color 90.8468, 0.4094, 0.5074 looks on a white background.

Color Contrast Check

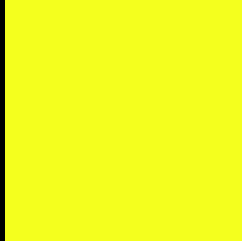
Large Text (above 18pt) WCAG AA × Fail

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 90.8468, 0.4094, 0.5074 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 90.8468, 0.4094, 0.5074

Background



This preview shows how black text looks on a background with the Yxy color 90.8468, 0.4094, 0.5074.

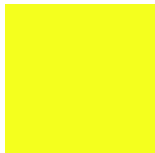


This preview shows how white text looks on a background with the Yxy color 90.8468, 0.4094, 0.5074.

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



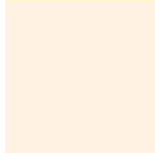
Original Color

90.8468, 0.4094, 0.5074



Protanopia

90.3210, 0.3450, 0.3688



Deuteranopia

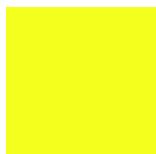
90.3103, 0.3306, 0.3438



Tritanopia

90.5452, 0.3158, 0.3184

Trichromacy



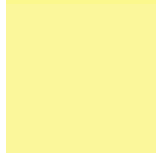
Original Color

90.8468, 0.4094, 0.5074



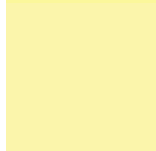
Protanomaly

89.5671, 0.3792, 0.4346



Deuteranomaly

89.3973, 0.3716, 0.4208



Tritanomaly

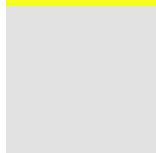
88.7543, 0.3627, 0.4034

Monochromacy



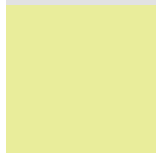
Original Color

90.8468, 0.4094, 0.5074



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

80.2586, 0.3619, 0.4161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.8468, 0.4094, 0.5074 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(244, 255, 30)` looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 30)  
}
```

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(244, 255, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 30) }
```

Border

The CSS property to change the border of an element to Yxy 90.8468, 0.4094, 0.5074 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(244, 255, 30) }
```

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

```
.border{ border-color:rgb(244, 255, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 255, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 30);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 90.8468, 0.4094, 0.5074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 255, 30) }
```

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

```
.background{ background-color: rgb(244,  
255, 30) }
```

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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