

Converting Colors

$Y_{xy}(90.6238, 0.4112, 0.5117)$

Have a look what the booklet for
Yxy(90.6238, 0.4112, 0.5117)
contains.

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Color

Yxy(90.5747, 0.4110, 0.5119)

Conversions

Conversions Part 1

Format	Color
Hex	F3FF00
RGB	243, 255, 0
RGB Percent	95%, 100%, 0%
CMY	0.0471, 0.0000, 1.0000
CMYK	0.05, 0.00, 1.00, 0.00
HSL	63°, 100%, 50%
HSV	63°, 100%, 100%
XYZ	72.7216, 90.5747, 13.6419
YIQ	222.3420, 74.7030, -81.8490

Conversions

Conversions Part 2

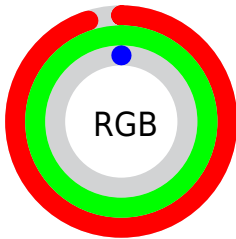
Format	Color
RYB	0, 255, 12
Decimal	15990528
CIELab	96.23, -26.46, 93.43
CIELCh	96, 97.105, 105.812
Yxy	90.5747, 0.4110, 0.5119
Android (android.graphics.Color)	4294180608 (0xFFFF3FF00)
YUV	222.3420, -109.6146, 18.1171
Hunter-Lab	95.1707, -30.1538, 58.1208

Details

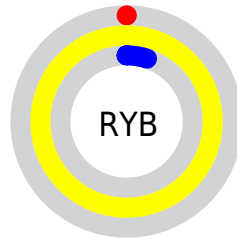
The Yxy color **90.5747, 0.4110, 0.5119** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.2981, 0.1510, 0.0605**, and the grayscale version is **74.0532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6245, 0.4002, 0.4736**, and **50.7919, 0.4044, 0.5171** is the 20% darker color. If you saturate the color by 10%, you get **90.5750, 0.4110, 0.5119**, and if you desaturate by 10%, it is **90.8615, 0.4101, 0.5082**.

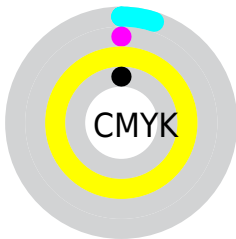
Distribution



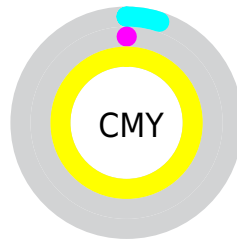
- Red (95%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (5%)



- Cyan (5%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.5747, 0.4110, 0.5119 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 90.5747, 0.4110, 0.5119 by changing the saturation by 10% instead.


 90.5747, 0.4110,
0.5119


 90.5747, 0.4110,
0.5119

529.8986, 0.3778,
0.4360


 68.4574, 0.4149,
0.5257


 148.1364, 0.4024,
0.4883

 50.2699, 0.4180,
0.5407


 184.3496, 0.3982,
0.4783


 35.6279, 0.4193,
0.5567


 226.0303, 0.3942,
0.4693

 24.1470, 0.4189,
0.5753

 273.5627, 0.3905,
0.4612

 15.4427, 0.4104,
0.5896

 327.3314, 0.3869,
0.4539

 9.1307, 0.3951,
0.6049

 387.7206, 0.3837,


 4.8265, 0.3724,

0.4474


0.6276


455.1149, 0.3806,
0.4414


 2.1458, 0.3352,
0.6648


 0.6902, 0.0144,
0.9856


 90.5747, 0.4110,
0.5119


 90.5747, 0.4110,
0.5119


 90.5750, 0.4110,
0.5119


 90.8615, 0.4101,
0.5082

 91.2438, 0.4069,
0.5007

 91.7505, 0.4011,
0.4888


 92.3994, 0.3927,
0.4725

 93.2053, 0.3820,
0.4525

 94.1810, 0.3695,
0.4296

 95.3382, 0.3558,
0.4049

 96.6873, 0.3414,
0.3793

 98.2383, 0.3269,
0.3538

Harmonies

Analogous

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



90.5747, 0.4889, 0.4454



90.5747, 0.4110, 0.5119



90.5747, 0.3146, 0.5275

Triad

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



90.5747, 0.4110, 0.5119



90.5747, 0.1393, 0.2303



90.5747, 0.3893, 0.2402

Complementary

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



90.5747, 0.4110, 0.5119



7.2981, 0.1510, 0.0605

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.



90.5747, 0.2790, 0.1961



90.5747, 0.4110, 0.5119



90.5747, 0.1515, 0.1854

Square

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



90.5747, 0.4110, 0.5119



90.5747, 0.1611, 0.3227



90.5747, 0.1968, 0.1765



90.5747, 0.4870, 0.3017

Rectangle

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



90.5747, 0.4110, 0.5119



90.5747, 0.2510, 0.4845



90.5747, 0.1968, 0.1765



90.5747, 0.3512, 0.2231

Sweetspot

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



90.5750, 0.4110, 0.5119



95.3382, 0.3558, 0.4049



21.4445, 0.6385, 0.3313



20.2970, 0.3617, 0.4154



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.



90.5750, 0.4110, 0.5119



75.4419, 0.3308, 0.5755



21.0446, 0.3262, 0.3525



47.3465, 0.4111, 0.5118



4.6229, 0.4121, 0.5110

Inverse Universe

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



7.2981, 0.1510, 0.0605



12.4542, 0.2071, 0.0915



17.4185, 0.2986, 0.3045



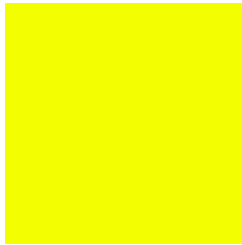
3.8307, 0.1514, 0.0608



0.3867, 0.1547, 0.0626

Previews

White Background



This preview shows how the Yxy color 90.5747, 0.4110, 0.5119 looks on a white background.

Color Contrast Check

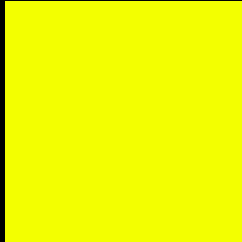
Large Text (above 18pt) WCAG AA × Fail

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 90.5747, 0.4110, 0.5119 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 90.5747, 0.4110, 0.5119

Background



This preview shows how black text looks on a background with the Yxy color 90.5747, 0.4110, 0.5119.

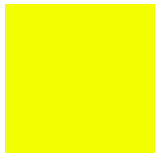


This preview shows how white text looks on a background with the Yxy color 90.5747, 0.4110, 0.5119.

Color Blindness Simulation

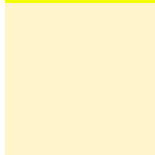
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



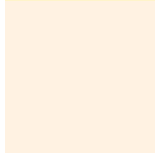
Original Color

90.5747, 0.4110, 0.5119



Protanopia

90.2256, 0.3462, 0.3708



Deuteranopia

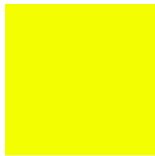
90.2552, 0.3313, 0.3448



Tritanopia

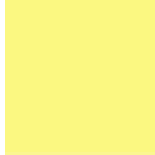
90.0213, 0.3153, 0.3165

Trichromacy



Original Color

90.5747, 0.4110, 0.5119



Protanomaly

89.2290, 0.3857, 0.4451



Deuteranomaly

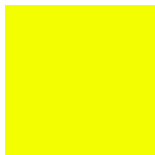
89.0444, 0.3780, 0.4310



Tritanomaly

88.3521, 0.3694, 0.4142

Monochromacy



Original Color

90.5747, 0.4110, 0.5119



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

77.5917, 0.3692, 0.4284

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.5747, 0.4110, 0.5119 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(243, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(243, 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(243, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 90.5747, 0.4110, 0.5119 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(243, 255, 0) }
```

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

```
.border{ border-color:rgb(243, 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(243, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 90.5747, 0.4110, 0.5119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 255, 0) }
```

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

```
.background{ background-color: rgb(243,  
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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