

Converting Colors

$Yxy(90.3444, 0.4091, 0.5112)$

Have a look what the booklet for
Yxy(90.3444, 0.4091, 0.5112)
contains.

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Color

Yxy(90.4317, 0.4094, 0.5110)

Conversions

Conversions Part 1

Format	Color
Hex	F2FF0F
RGB	242, 255, 15
RGB Percent	95%, 100%, 6%
CMY	0.0512, 0.0000, 0.9412
CMYK	0.05, 0.00, 0.94, 0.00
HSL	63°, 100%, 53%
HSV	63°, 94%, 100%
XYZ	72.4515, 90.4317, 14.0868
YIQ	223.7530, 69.2920, -77.3960

Conversions

Conversions Part 2

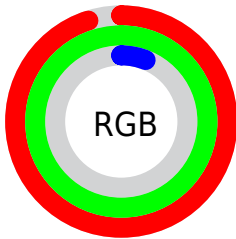
Format	Color
R _Y B	15, 255, 28
Decimal	15925007
CIE Lab	96.18, -26.77, 92.25
CIE LCh	96, 96.059, 106.182
Yxy	90.4317, 0.4094, 0.5110
Android (android.graphics.Color)	4294115087 (0xFFFF2FF0F)
YUV	223.7530, -102.9152, 16.0026
Hunter-Lab	95.0956, -30.4215, 57.7841

Details

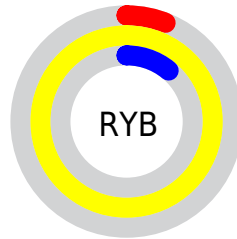
The Yxy color **90.4317, 0.4094, 0.5110** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.8087, 0.1537, 0.0642**, and the grayscale version is **75.0555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6809, 0.3990, 0.4716**, and **50.6706, 0.4035, 0.5178** is the 20% darker color. If you saturate the color by 10%, you get **90.2447, 0.4097, 0.5129**, and if you desaturate by 10%, it is **90.7913, 0.4074, 0.5051**.

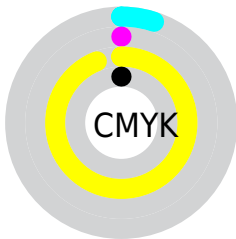
Distribution



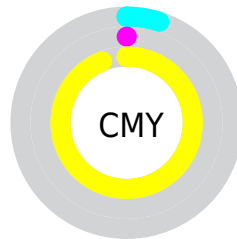
- Red (95%)
- Green (100%)
- Blue (6%)



- Red (6%)
- Yellow (100%)
- Blue (11%)



- Cyan (5%)
- Magenta (0%)
- Yellow (94%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.4317, 0.4094, 0.5110 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 90.4317, 0.4094, 0.5110 by changing the saturation by 10% instead.


 90.4317, 0.4094,
0.5110


 90.4317, 0.4094,
0.5110


529.4342, 0.3766,
0.4351


 68.3387, 0.4133,
0.5249

 147.9379, 0.4009,
0.4873


 50.1734, 0.4164,
0.5401

 184.1199, 0.3967,
0.4772


 35.5512, 0.4178,
0.5565


 225.7671, 0.3928,
0.4683

 24.0878, 0.4173,
0.5751

 273.2639, 0.3890,
0.4602

 15.3987, 0.4094,
0.5906

 326.9945, 0.3856,
0.4529

 9.0997, 0.3939,
0.6061


387.3435, 0.3824,

 4.8063, 0.3708,


0.4464


0.6292

454.6953, 0.3794,
0.4405


 2.1340, 0.3331,
0.6669


 0.6837, 0.0000,
1.0000


 90.4317, 0.4094,
0.5110


 90.4317, 0.4094,
0.5110


 90.2447, 0.4097,
0.5129

 90.7913, 0.4074,
0.5051


 91.2760, 0.4029,
0.4949

 91.8965, 0.3957,
0.4802


 92.6686, 0.3860,
0.4615

 93.6059, 0.3743,
0.4395

 94.7205, 0.3611,
0.4153

 96.0233, 0.3470,
0.3899

 97.5244, 0.3327,
0.3643

 99.2332, 0.3185,
0.3391

Harmonies

Analogous

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



90.4317, 0.4869, 0.4458



90.4317, 0.4094, 0.5110



90.4317, 0.3136, 0.5249

Triad

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



90.4317, 0.4094, 0.5110



90.4317, 0.1405, 0.2305



90.4317, 0.3900, 0.2417

Complementary

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



90.4317, 0.4094, 0.5110



7.8087, 0.1537, 0.0642

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.



90.4317, 0.2806, 0.1975



90.4317, 0.4094, 0.5110



90.4317, 0.1530, 0.1863

Square

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



90.4317, 0.4094, 0.5110



90.4317, 0.1619, 0.3215



90.4317, 0.1986, 0.1778



90.4317, 0.4861, 0.3029

Rectangle

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



90.4317, 0.4094, 0.5110



90.4317, 0.2507, 0.4815



90.4317, 0.1986, 0.1778



90.4317, 0.3523, 0.2246

Sweetspot

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



90.4230, 0.4094, 0.5110



95.4951, 0.3526, 0.3999



22.0778, 0.6291, 0.3329



20.3214, 0.3586, 0.4108



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.



90.4230, 0.4094, 0.5110



90.2447, 0.4097, 0.5129



75.7650, 0.3321, 0.5717



21.0375, 0.3261, 0.3525



47.1766, 0.4098, 0.5128



4.6082, 0.4110, 0.5119

Inverse Universe

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



7.8087, 0.1537, 0.0642



7.3123, 0.1512, 0.0606



13.7639, 0.2166, 0.0985



17.4249, 0.2987, 0.3045



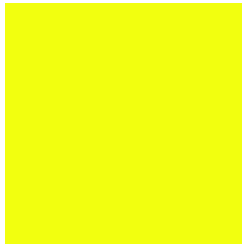
3.8397, 0.1516, 0.0609



0.3897, 0.1554, 0.0630

Previews

White Background



This preview shows how the Yxy color 90.4317, 0.4094, 0.5110 looks on a white background.

Color Contrast Check

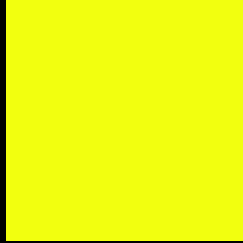
Large Text (above 18pt) WCAG AA × Fail

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 90.4317, 0.4094, 0.5110 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 90.4317, 0.4094, 0.5110

Background



This preview shows how black text looks on a background with the Yxy color 90.4317, 0.4094, 0.5110.

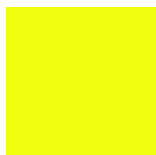


This preview shows how white text looks on a background with the Yxy color 90.4317, 0.4094, 0.5110.

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



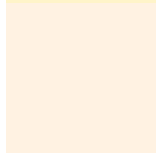
Original Color

90.4317, 0.4094, 0.5110



Protanopia

90.1784, 0.3469, 0.3718



Deuteranopia

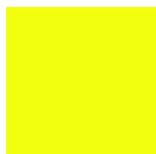
90.2552, 0.3313, 0.3448



Tritanopia

90.0213, 0.3153, 0.3165

Trichromacy



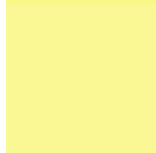
Original Color

90.4317, 0.4094, 0.5110



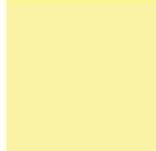
Protanomaly

89.1523, 0.3829, 0.4420



Deuteranomaly

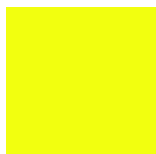
89.0154, 0.3744, 0.4267



Tritanomaly

88.3820, 0.3650, 0.4086

Monochromacy



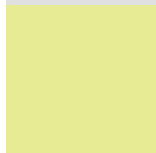
Original Color

90.4317, 0.4094, 0.5110



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

78.5437, 0.3654, 0.4219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.4317, 0.4094, 0.5110 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(242, 255, 15)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 15)  
}
```

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(242, 255, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 15) }
```

Border

The CSS property to change the border of an element to Yxy 90.4317, 0.4094, 0.5110 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(242, 255, 15) }
```

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

```
.border{ border-color:rgb(242, 255, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 15);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 90.4317, 0.4094, 0.5110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 15) }
```

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

```
.background{ background-color: rgb(242,  
255, 15) }
```

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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