

Converting Colors

$Yxy(89.5239, 0.4304, 0.5237)$

Have a look what the booklet for
Yxy(89.5239, 0.4304, 0.5237)
contains.

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Color

Yxy(90.1300, 0.4186, 0.5058)

Conversions

Conversions Part 1

Format	Color
Hex	FBFC00
RGB	251, 252, 0
RGB Percent	98%, 99%, 0%
CMY	0.0157, 0.0117, 0.9990
CMYK	0.00, 0.00, 1.00, 0.01
HSL	60°, 100%, 49%
HSV	60°, 100%, 99%
XYZ	74.5916, 90.1300, 13.4714
YIQ	222.9730, 80.2960, -78.5840

Conversions

Conversions Part 2

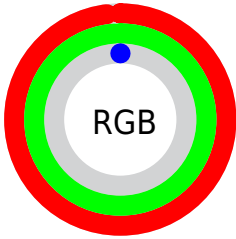
Format	Color
RYB	0, 252, 1
Decimal	16514048
CIELab	96.05, -21.78, 93.53
CIELCh	96, 96.035, 103.108
Yxy	90.1300, 0.4186, 0.5058
Android (android.graphics.Color)	4294704128 (0xFFFBFC00)
YUV	222.9730, -109.9257, 24.5797
Hunter-Lab	94.9368, -25.8925, 58.0426

Details

The Yxy color **90.1300, 0.4186, 0.5058** 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 **7.0424, 0.1501, 0.0601**, and the grayscale version is **74.5471, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **50.4270, 0.4140, 0.5095** is the 20% darker color. If you saturate the color by 10%, you get **90.1335, 0.4186, 0.5058**, and if you desaturate by 10%, it is **90.2248, 0.4169, 0.5028**.

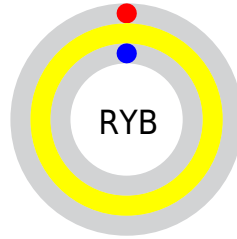
Distribution



Red (98%)

Green (99%)

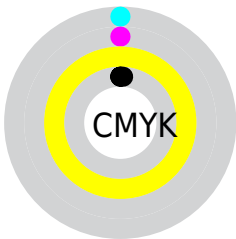
Blue (0%)



Red (0%)

Yellow (99%)

Blue (0%)

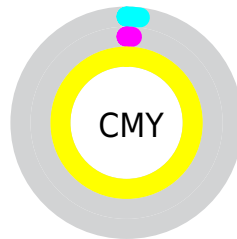


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (2%)


Magenta (1%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.1300, 0.4186, 0.5058 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 90.1300, 0.4186, 0.5058 by changing the saturation by 10% instead.


 90.1300, 0.4186,
0.5058

 90.1300, 0.4186,
0.5058


528.4536, 0.3818,
0.4334

 68.0885, 0.4233,
0.5187


 147.5190, 0.4088,
0.4835


 49.9697, 0.4273,
0.5325


 183.6352, 0.4041,
0.4740


 35.3893, 0.4297,
0.5471


 225.2117, 0.3997,
0.4654

 23.9629, 0.4310,
0.5639

 272.6330, 0.3956,
0.4577

 15.3061, 0.4242,
0.5758

 326.2835, 0.3918,
0.4507

 9.0345, 0.4117,
0.5883


 386.5475, 0.3882,


 4.7637, 0.3930,


0.4444


0.6070


453.8094, 0.3849,
0.4387


 2.1093, 0.3623,
0.6377

 0.6698, 0.1355,
0.8645


 90.1300, 0.4186,
0.5058

 90.1300, 0.4186,
0.5058


 90.1335, 0.4186,
0.5058

 90.2248, 0.4169,
0.5028


 90.4077, 0.4130,
0.4961

 90.7105, 0.4064,
0.4850

 91.1504, 0.3972,
0.4696

 91.7418, 0.3857,
0.4504

 92.4971, 0.3724,
0.4282

 93.4276, 0.3578,
0.4040

 94.5436, 0.3427,
0.3788

 95.8544, 0.3274,
0.3535

Harmonies

Analogous

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



90.1300, 0.4930, 0.4382



90.1300, 0.4186, 0.5058



90.1300, 0.3237, 0.5278

Triad

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



90.1300, 0.4186, 0.5058



90.1300, 0.1410, 0.2374



90.1300, 0.3785, 0.2361

Complementary

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



90.1300, 0.4186, 0.5058



7.0424, 0.1501, 0.0601

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.



90.1300, 0.2705, 0.1942



90.1300, 0.4186, 0.5058



90.1300, 0.1502, 0.1889

Square

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



90.1300, 0.4186, 0.5058



90.1300, 0.1662, 0.3335



90.1300, 0.1922, 0.1772



90.1300, 0.4787, 0.2961

Rectangle

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



90.1300, 0.4186, 0.5058



90.1300, 0.2599, 0.4911



90.1300, 0.1922, 0.1772



90.1300, 0.3408, 0.2197

Sweetspot

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



90.1342, 0.4186, 0.5058



95.9555, 0.3580, 0.4043



20.7032, 0.6400, 0.3300



20.4475, 0.3642, 0.4147



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.



90.1342, 0.4186, 0.5058



92.5839, 0.4186, 0.5058



74.0729, 0.3354, 0.5719



20.1870, 0.3268, 0.3524



46.9491, 0.4186, 0.5058



4.3494, 0.4187, 0.5057

Inverse Universe

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



7.0424, 0.1501, 0.0601



7.2267, 0.1501, 0.0601



11.4796, 0.2006, 0.0879



16.6464, 0.2979, 0.3045



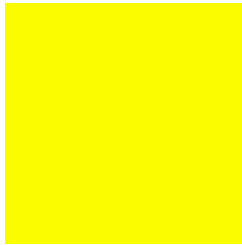
3.6661, 0.1501, 0.0601



0.3407, 0.1504, 0.0602

Previews

White Background



This preview shows how the Yxy color 90.1300, 0.4186, 0.5058 looks on a white background.

Color Contrast Check

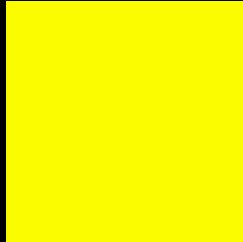
Large Text (above 18pt) WCAG AA × Fail

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 90.1300, 0.4186, 0.5058 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 90.1300, 0.4186, 0.5058

Background



This preview shows how black text looks on a background with the Yxy color 90.1300, 0.4186, 0.5058.

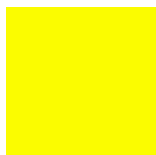


This preview shows how white text looks on a background with the Yxy color 90.1300, 0.4186, 0.5058.

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



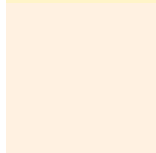
Original Color

90.1300, 0.4186, 0.5058



Protanopia

90.1315, 0.3475, 0.3728



Deuteranopia

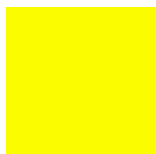
89.6068, 0.3320, 0.3448



Tritanopia

89.7703, 0.3177, 0.3203

Trichromacy



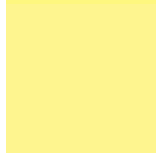
Original Color

90.1300, 0.4186, 0.5058



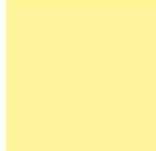
Protanomaly

89.1247, 0.3893, 0.4450



Deuteranomaly

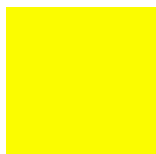
88.3588, 0.3815, 0.4295



Tritanomaly

88.2408, 0.3730, 0.4146

Monochromacy



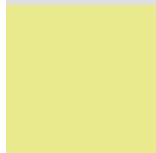
Original Color

90.1300, 0.4186, 0.5058



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

78.1223, 0.3708, 0.4266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.1300, 0.4186, 0.5058 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(251, 252, 0)` looks like.

```
.text, #text, p{  
  color:rgb(251, 252, 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(251, 252, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 252, 0) }
```

Border

The CSS property to change the border of an element to Yxy 90.1300, 0.4186, 0.5058 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(251, 252, 0) }
```

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

```
.border{ border-color:rgb(251, 252, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 252, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 252, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 252, 0);  
box-shadow:4px 4px 4px 4px rgb(251, 252,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 90.1300, 0.4186, 0.5058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 252, 0) }
```

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

```
.background{ background-color: rgb(251,  
252, 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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