

Converting Colors

$Yxy(90.7617, 0.3863, 0.4762)$

Have a look what the booklet for
Yxy(90.7617, 0.3863, 0.4762)
contains.

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Color

Yxy(90.8300, 0.3866, 0.4760)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF66
RGB	239, 255, 102
RGB Percent	94%, 100%, 40%
CMY	0.0625, 0.0000, 0.5999
CMYK	0.06, 0.00, 0.60, 0.00
HSL	66°, 100%, 70%
HSV	66°, 60%, 100%
XYZ	73.7708, 90.8300, 26.2186
YIQ	232.7740, 39.5770, -50.9750

Conversions

Conversions Part 2

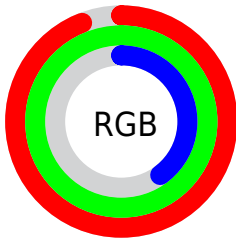
Format	Color
R_{YB}	102, 255, 118
Decimal	15728486
CIE _{Lab}	96.34, -24.72, 69.26
CIE _{LCh}	96, 73.544, 109.645
Yxy	90.8300, 0.3866, 0.4760
Android (android.graphics.Color)	4293918566 (0xFFEFFF66)
YUV	232.7740, -64.4716, 5.4602
Hunter-Lab	95.3048, -28.6153, 50.4025

Details

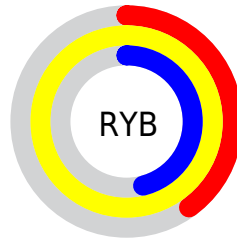
The Yxy color **90.8300, 0.3866, 0.4760** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **20.5744, 0.2048, 0.1392**, and the grayscale version is **81.7891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **50.2659, 0.3960, 0.5045** is the 20% darker color. If you saturate the color by 10%, you get **89.9446, 0.3940, 0.4935**, and if you desaturate by 10%, it is **91.8861, 0.3769, 0.4549**.

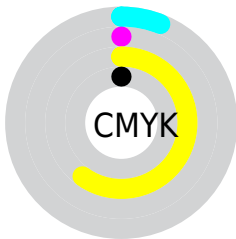
Distribution



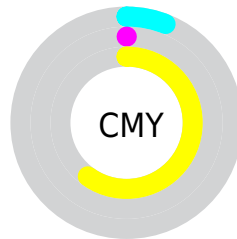
- Red (94%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (46%)



- Cyan (6%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.8300, 0.3866, 0.4760 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 90.8300, 0.3866, 0.4760 by changing the saturation by 10% instead.


 90.8300, 0.3866,
0.4760


 90.8300, 0.3866,
0.4760


530.7271, 0.3584,
0.4111

 68.6692, 0.3912,
0.4894


 148.4908, 0.3783,
0.4546


 50.4424, 0.3959,
0.5049


 184.7596, 0.3746,
0.4459

 35.7650, 0.4004,
0.5231


 226.4998, 0.3713,
0.4383

 24.2528, 0.4037,
0.5442

 274.0960, 0.3682,
0.4315

 15.5212, 0.4044,
0.5684

327.9324, 0.3654,
0.4256

 9.1860, 0.4015,
0.5985

388.3935, 0.3629,

 4.8627, 0.3805,

0.4202

0.6195

455.8636, 0.3606,
0.4154

■ 2.1669, 0.3460,
0.6540

■ 0.7019, 0.0830,
0.9170

■ 90.8300, 0.3866,
0.4760

■ 90.8300, 0.3866,
0.4760

■ 89.9446, 0.3940,
0.4935

■ 91.8861, 0.3769,
0.4549

■ 89.2025, 0.3988,
0.5067

■ 93.1133, 0.3655,
0.4310

■ 88.5903, 0.4009,
0.5153

■ 94.5273, 0.3528,
0.4056

■ 88.0791, 0.4008,
0.5200

■ 96.1389, 0.3394,
0.3796

 88.0786, 0.4008,
0.5200

 97.9576, 0.3259,
0.3538

99.9917, 0.3127,
0.3290

99.9932, 0.3127,
0.3290

Harmonies

Analogous

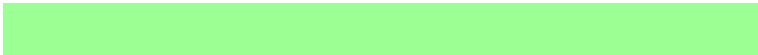
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8300, 0.4484, 0.4351



90.8300, 0.3866, 0.4760



90.8300, 0.3094, 0.4708

Triad

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



90.8300, 0.3866, 0.4760



90.8300, 0.1729, 0.2481



90.8300, 0.3828, 0.2652

Complementary

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



90.8300, 0.3866, 0.4760



20.5744, 0.2048, 0.1392

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.



90.8300, 0.2983, 0.2260



90.8300, 0.3866, 0.4760



90.8300, 0.1863, 0.2129

Square

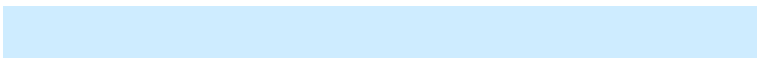
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.8300, 0.3866, 0.4760



90.8300, 0.1893, 0.3165



90.8300, 0.2286, 0.2071



90.8300, 0.4517, 0.3182

Rectangle

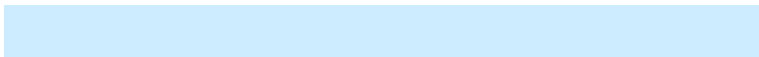
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.8300, 0.3866, 0.4760



90.8300, 0.2594, 0.4326



90.8300, 0.2286, 0.2071



90.8300, 0.3545, 0.2502

Sweetspot

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



90.8342, 0.3866, 0.4760



96.4931, 0.3367, 0.3744



35.0146, 0.4918, 0.3441



20.5461, 0.3407, 0.3820



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.



90.8342, 0.3866, 0.4760



89.7926, 0.3952, 0.4965



80.2815, 0.3356, 0.5054



20.9890, 0.3253, 0.3526



46.0663, 0.4011, 0.5197



4.5118, 0.4033, 0.5180

Inverse Universe

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



20.5744, 0.2048, 0.1392



13.9773, 0.1828, 0.1039



28.1695, 0.2634, 0.1649



17.4682, 0.2995, 0.3045



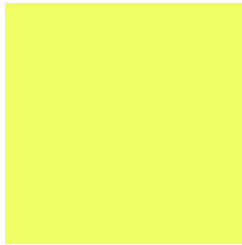
3.9204, 0.1535, 0.0619



0.4102, 0.1602, 0.0656

Previews

White Background



This preview shows how the Yxy color 90.8300, 0.3866, 0.4760 looks on a white background.

Color Contrast Check

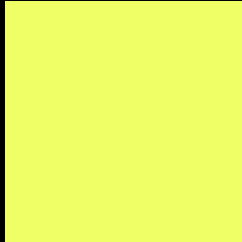
Large Text (above 18pt) WCAG AA × Fail

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 90.8300, 0.3866, 0.4760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

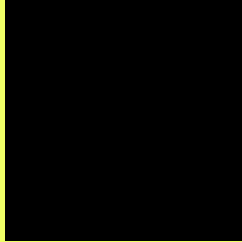
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.8300, 0.3866, 0.4760

Background



This preview shows how black text looks on a background with the Yxy color 90.8300, 0.3866, 0.4760.

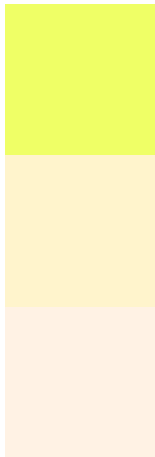


This preview shows how white text looks on a background with the Yxy color 90.8300, 0.3866, 0.4760.

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

90.8300, 0.3866, 0.4760

Protanopia

90.3210, 0.3450, 0.3688

Deuteranopia

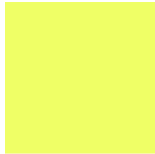
90.3657, 0.3300, 0.3428



Tritanopia

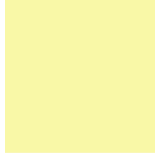
90.4228, 0.3121, 0.3145

Trichromacy



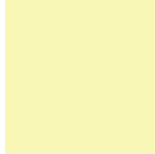
Original Color

90.8300, 0.3866, 0.4760



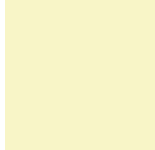
Protanomaly

90.0646, 0.3628, 0.4105



Deuteranomaly

90.0387, 0.3540, 0.3946



Tritanomaly

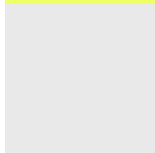
89.3848, 0.3431, 0.3755

Monochromacy



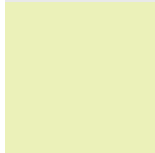
Original Color

90.8300, 0.3866, 0.4760



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

84.0755, 0.3436, 0.3879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.8300, 0.3866, 0.4760 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(239, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 102)  
}
```

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(239, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 90.8300, 0.3866, 0.4760 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(239, 255, 102) }
```

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

```
.border{ border-color:rgb(239, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 90.8300, 0.3866, 0.4760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 102) }
```

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

```
.background{ background-color: rgb(239,  
255, 102) }
```

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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