

Converting Colors

$Yxy(90.8801, 0.3652, 0.4462)$

Have a look what the booklet for
Yxy(90.8801, 0.3652, 0.4462)
contains.

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Color

$\text{Yxy}(90.9059, 0.3652, 0.4461)$

Conversions

Conversions Part 1

Format	Color
Hex	E AFF 8 C
RGB	234, 255, 140
RGB Percent	92%, 100%, 55%
CMY	0.0825, 0.0000, 0.4508
CMYK	0.08, 0.00, 0.45, 0.00
HSL	71°, 100%, 77%
HSV	71°, 45%, 100%
XYZ	74.4202, 90.9059, 38.4531
YIQ	235.6110, 24.3990, -40.2170

Conversions

Conversions Part 2

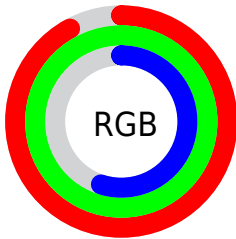
Format	Color
RYB	140, 255, 161
Decimal	15400844
CIELab	96.37, -23.51, 52.37
CIElCh	96, 57.411, 114.179
Yxy	90.9059, 0.3652, 0.4461
Android (android.graphics.Color)	4293590924 (0xFFEAF8C)
YUV	235.6110, -47.1362, -1.4128
Hunter-Lab	95.3446, -27.5268, 42.8291

Details

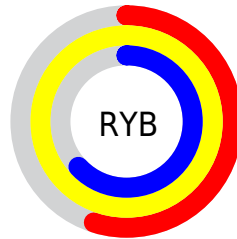
The Yxy color **90.9059, 0.3652, 0.4461** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **33.5763, 0.2414, 0.1923**, and the grayscale version is **83.9167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7201, 0.3484, 0.3880**, and **50.3064, 0.3730, 0.4712** is the 20% darker color. If you saturate the color by 10%, you get **89.4552, 0.3744, 0.4701**, and if you desaturate by 10%, it is **92.5436, 0.3545, 0.4202**.

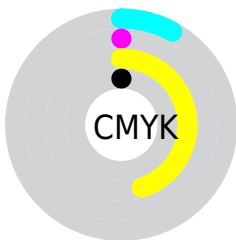
Distribution



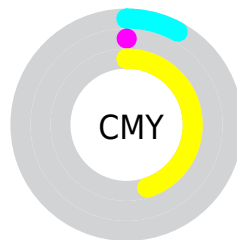
- Red (92%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (63%)



- Cyan (8%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.9059, 0.3652, 0.4461 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 90.9059, 0.3652, 0.4461 by changing the saturation by 10% instead.

 90.9059, 0.3652,
0.4461


 90.9059, 0.3652,
0.4461

530.9733, 0.3442,
0.3931

 68.7322, 0.3691,
0.4576


 148.5961, 0.3586,
0.4281

 50.4937, 0.3733,
0.4715


 184.8814, 0.3559,
0.4210

 35.8058, 0.3779,
0.4884

226.6394, 0.3534,
0.4148

 24.2843, 0.3825,
0.5092

274.2545, 0.3512,
0.4094

 15.5446, 0.3864,
0.5350

328.1110, 0.3492,
0.4046

 9.2025, 0.3878,
0.5676

388.5934, 0.3474,

 4.8735, 0.3860,

0.4003

0.6140

456.0860, 0.3457,
0.3965

■ 2.1732, 0.3533,
0.6467

■ 0.7053, 0.1202,
0.8798

■ 90.9059, 0.3652,
0.4461

■ 90.9059, 0.3652,
0.4461

■ 89.4552, 0.3744,
0.4701

■ 92.5436, 0.3545,
0.4202

■ 88.1912, 0.3815,
0.4911

■ 94.3917, 0.3429,
0.3936

■ 87.0961, 0.3861,
0.5082

■ 96.4564, 0.3308,
0.3671

■ 86.1535, 0.3882,
0.5207

■ 98.7471, 0.3187,
0.3415

■ 85.3435, 0.3876,
0.5285

100.0000, 0.3127,
0.3290

■ 84.9796, 0.3867,
0.5312

Harmonies

Analogous

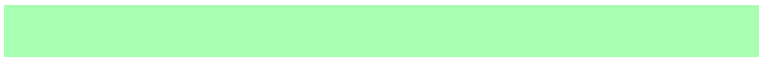
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9059, 0.4162, 0.4225



90.9059, 0.3652, 0.4461



90.9059, 0.3030, 0.4316

Triad

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



90.9059, 0.3652, 0.4461



90.9059, 0.1993, 0.2602



90.9059, 0.3775, 0.2843

Complementary

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



90.9059, 0.3652, 0.4461



33.5763, 0.2414, 0.1923

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.



90.9059, 0.3121, 0.2493



90.9059, 0.3652, 0.4461



90.9059, 0.2142, 0.2336

Square

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



90.9059, 0.3652, 0.4461



90.9059, 0.2101, 0.3116



90.9059, 0.2532, 0.2311



90.9059, 0.4266, 0.3298

Rectangle

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



90.9059, 0.3652, 0.4461



90.9059, 0.2637, 0.3989



90.9059, 0.2532, 0.2311



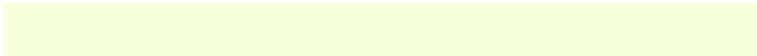
90.9059, 0.3563, 0.2711

Sweetspot

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



90.9018, 0.3652, 0.4461



96.6924, 0.3295, 0.3643



48.0228, 0.4249, 0.3494



20.5956, 0.3321, 0.3699



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

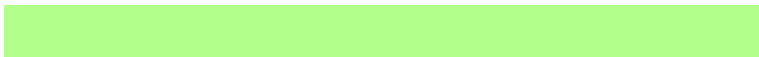
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.9018, 0.3652, 0.4461



89.6022, 0.3735, 0.4676



82.9233, 0.3282, 0.4617



20.9128, 0.3241, 0.3527



44.4643, 0.3873, 0.5307



4.3710, 0.3911, 0.5277

Inverse Universe

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



33.5763, 0.2414, 0.1923



25.8073, 0.2242, 0.1621



40.6939, 0.2853, 0.2074



17.5376, 0.3007, 0.3046



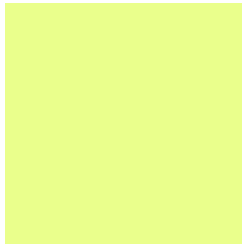
4.1298, 0.1583, 0.0646



0.4431, 0.1677, 0.0698

Previews

White Background



This preview shows how the Yxy color 90.9059, 0.3652, 0.4461 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 90.9059, 0.3652, 0.4461 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 90.9059, 0.3652, 0.4461

Background



This preview shows how black text looks on a background with the Yxy color 90.9059, 0.3652, 0.4461.

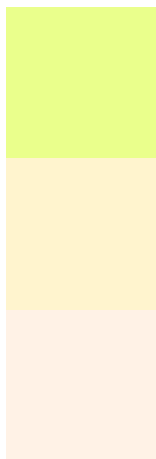


This preview shows how white text looks on a background with the Yxy color 90.9059, 0.3652, 0.4461.

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

90.9059, 0.3652, 0.4461

Protanopia

90.4176, 0.3437, 0.3668

Deuteranopia

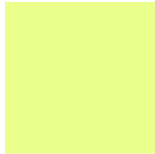
90.4774, 0.3287, 0.3408



Tritanopia

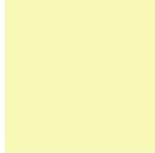
90.4984, 0.3082, 0.3163

Trichromacy



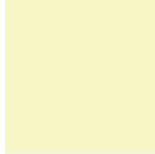
Original Color

90.9059, 0.3652, 0.4461



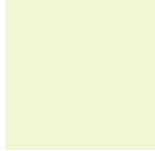
Protanomaly

90.2864, 0.3523, 0.3958



Deuteranomaly

90.3269, 0.3433, 0.3796



Tritanomaly

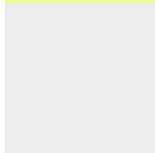
90.2029, 0.3300, 0.3635

Monochromacy



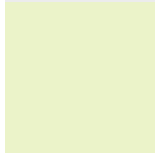
Original Color

90.9059, 0.3652, 0.4461



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.9804, 0.3332, 0.3728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.9059, 0.3652, 0.4461 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(234, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 140)  
}
```

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(234, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 140) }
```

Border

The CSS property to change the border of an element to Yxy 90.9059, 0.3652, 0.4461 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(234, 255, 140) }
```

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

```
.border{ border-color:rgb(234, 255, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 255, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 90.9059, 0.3652, 0.4461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 140) }
```

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

```
.background{ background-color: rgb(234,  
255, 140) }
```

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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