

Converting Colors

$Y_{xy}(100.0000, 0.3551, 0.4380)$

Have a look what the booklet for
Yxy(100.0000, 0.3551, 0.4380)
contains.

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Color

Yxy(92.1658, 0.3583, 0.4278)

Conversions

Conversions Part 1

Format	Color
Hex	EEFF9E
RGB	238, 255, 158
RGB Percent	93%, 100%, 62%
CMY	0.0667, 0.0000, 0.3803
CMYK	0.07, 0.00, 0.38, 0.00
HSL	71°, 100%, 81%
HSV	71°, 38%, 100%
XYZ	77.1926, 92.1658, 46.0829
YIQ	238.8590, 21.0050, -33.7710

Conversions

Conversions Part 2

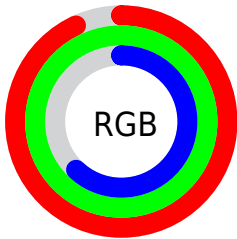
Format	Color
RYB	158, 255, 175
Decimal	15663006
CIELab	96.89, -20.09, 44.47
CIElCh	97, 48.800, 114.309
Yxy	92.1658, 0.3583, 0.4278
Android (android.graphics.Color)	4293853086 (0xFFEEFF9E)
YUV	238.8590, -39.8635, -0.7533
Hunter-Lab	96.0030, -24.4798, 38.7420

Details

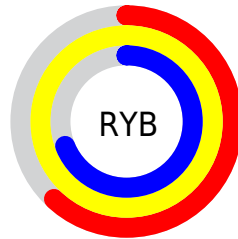
The Yxy color **92.1658, 0.3583, 0.4278** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.8034, 0.2542, 0.2162**, and the grayscale version is **86.5063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6350, 0.3370, 0.3691**, and **51.2318, 0.3664, 0.4491** is the 20% darker color. If you saturate the color by 10%, you get **90.6127, 0.3687, 0.4531**, and if you desaturate by 10%, it is **93.9213, 0.3467, 0.4014**.

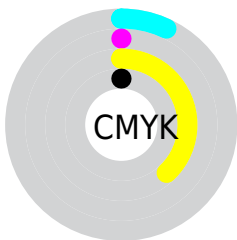
Distribution



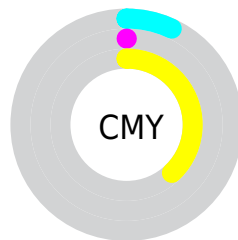
- Red (93%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (69%)



- Cyan (7%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 92.1658, 0.3583, 0.4278 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 92.1658, 0.3583, 0.4278 by changing the saturation by 10% instead.


 92.1658, 0.3583,
0.4278


 92.1658, 0.3583,
0.4278


535.0512, 0.3396,
0.3831

 69.7783, 0.3619,
0.4376


 150.3432, 0.3523,
0.4126

 51.3459, 0.3661,
0.4495


 186.9019, 0.3498,
0.4066

 36.4839, 0.3708,
0.4641


228.9531, 0.3476,
0.4013

 24.8082, 0.3760,
0.4823

276.8813, 0.3457,
0.3968

 15.9342, 0.3814,
0.5056

331.0708, 0.3439,
0.3927

 9.4776, 0.3860,
0.5356

391.9060, 0.3423,

 5.0540, 0.3961,

0.3892

0.5885

459.7714, 0.3409,
0.3859

■ 2.2790, 0.3754,
0.6246

■ 0.7625, 0.2351,
0.7649

■ 92.1658, 0.3583,
0.4278

■ 92.1658, 0.3583,
0.4278

■ 90.6127, 0.3687,
0.4531

■ 93.9213, 0.3467,
0.4014

■ 89.2490, 0.3775,
0.4762

■ 95.8883, 0.3346,
0.3748

■ 88.0625, 0.3841,
0.4960

■ 98.0769, 0.3224,
0.3489

■ 87.0386, 0.3881,
0.5116

100.0000, 0.3127,
0.3290

■ 86.1604, 0.3894,
0.5226

■ 85.4045, 0.3884,
0.5291

■ 85.2634, 0.3881,
0.5301

Harmonies

Analogous

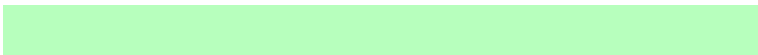
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.1658, 0.4014, 0.4099



92.1658, 0.3583, 0.4278



92.1658, 0.3051, 0.4142

Triad

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



92.1658, 0.3583, 0.4278



92.1658, 0.2149, 0.2709



92.1658, 0.3679, 0.2910

Complementary

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



92.1658, 0.3583, 0.4278



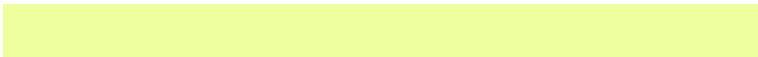
40.8034, 0.2542, 0.2162

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.



92.1658, 0.3129, 0.2603



92.1658, 0.3583, 0.4278



92.1658, 0.2280, 0.2471

Square

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



92.1658, 0.3583, 0.4278



92.1658, 0.2246, 0.3150



92.1658, 0.2623, 0.2444



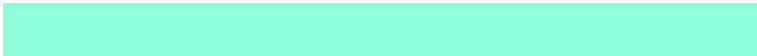
92.1658, 0.4090, 0.3310

Rectangle

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



92.1658, 0.3583, 0.4278



92.1658, 0.2714, 0.3872



92.1658, 0.2623, 0.2444



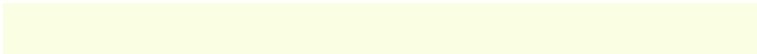
92.1658, 0.3502, 0.2794

Sweetspot

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



92.1663, 0.3583, 0.4278



97.4023, 0.3260, 0.3565



54.0771, 0.4008, 0.3463



20.7837, 0.3277, 0.3600



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

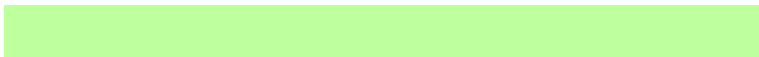
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.1663, 0.3583, 0.4278



90.9117, 0.3667, 0.4481



84.9828, 0.3266, 0.4388



20.9202, 0.3242, 0.3527



44.6108, 0.3886, 0.5297



4.3840, 0.3923, 0.5267

Inverse Universe

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



40.8034, 0.2542, 0.2162



32.6074, 0.2390, 0.1889



47.3220, 0.2907, 0.2270



17.5308, 0.3006, 0.3046



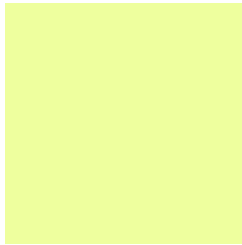
4.1049, 0.1577, 0.0643



0.4397, 0.1670, 0.0693

Previews

White Background



This preview shows how the Yxy color 92.1658, 0.3583, 0.4278 looks on a white background.

Color Contrast Check

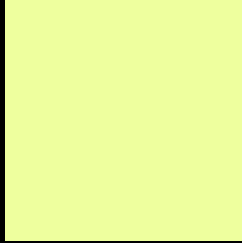
Large Text (above 18pt) WCAG AA × Fail

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 92.1658, 0.3583, 0.4278 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 92.1658, 0.3583, 0.4278

Background



This preview shows how black text looks on a background with the Yxy color 92.1658, 0.3583, 0.4278.

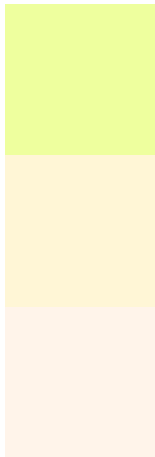


This preview shows how white text looks on a background with the Yxy color 92.1658, 0.3583, 0.4278.

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

92.1658, 0.3583, 0.4278

Protanopia

92.0266, 0.3383, 0.3606

Deuteranopia

91.9019, 0.3260, 0.3388



Tritanopia

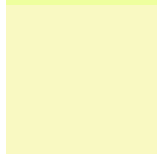
92.0611, 0.3094, 0.3183

Trichromacy



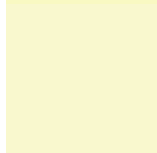
Original Color

92.1658, 0.3583, 0.4278



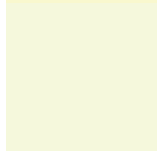
Protanomaly

91.7861, 0.3461, 0.3843



Deuteranomaly

91.7308, 0.3389, 0.3711



Tritanomaly

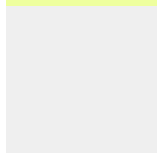
91.7146, 0.3276, 0.3571

Monochromacy



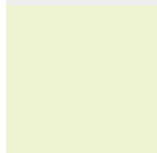
Original Color

92.1658, 0.3583, 0.4278



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

88.3087, 0.3301, 0.3649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.1658, 0.3583, 0.4278 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(238, 255, 158)` looks like.

```
.text, #text, p{  
    color:rgb(238, 255, 158)  
}
```

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(238, 255, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 158) }
```

Border

The CSS property to change the border of an element to Yxy 92.1658, 0.3583, 0.4278 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(238, 255, 158) }
```

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

```
.border{ border-color:rgb(238, 255, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 255, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(238, 255,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 92.1658, 0.3583, 0.4278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 255, 158) }
```

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

```
.background{ background-color: rgb(238,  
255, 158) }
```

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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