

Converting Colors

$Yxy(91.3929, 0.3559, 0.4299)$

Have a look what the booklet for
Yxy(91.3929, 0.3559, 0.4299)
contains.

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Color

Yxy(91.4467, 0.3561, 0.4298)

Conversions

Conversions Part 1

Format	Color
Hex	E AFF 9 D
RGB	234, 255, 157
RGB Percent	92%, 100%, 62%
CMY	0.0825, 0.0000, 0.3843
CMYK	0.08, 0.00, 0.38, 0.00
HSL	73°, 100%, 81%
HSV	73°, 38%, 100%
XYZ	75.7659, 91.4467, 45.5531
YIQ	237.5490, 18.9420, -34.9300

Conversions

Conversions Part 2

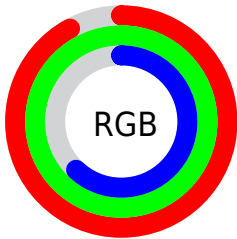
Format	Color
RYB	157, 255, 178
Decimal	15400861
CIELab	96.59, -21.71, 44.54
CIElCh	97, 49.554, 115.986
Yxy	91.4467, 0.3561, 0.4298
Android (android.graphics.Color)	4293590941 (0xFFEAF9D)
YUV	237.5490, -39.7107, -3.1125
Hunter-Lab	95.6278, -25.9231, 38.6961

Details

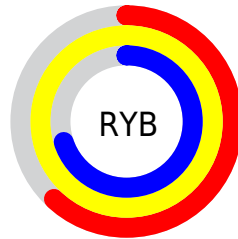
The Yxy color **91.4467, 0.3561, 0.4298** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.8027, 0.2562, 0.2157**, and the grayscale version is **85.4227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **50.7348, 0.3635, 0.4518** is the 20% darker color. If you saturate the color by 10%, you get **89.7445, 0.3658, 0.4557**, and if you desaturate by 10%, it is **93.3437, 0.3453, 0.4029**.

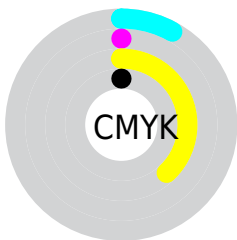
Distribution



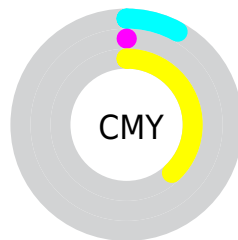
- Red (92%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (70%)



- Cyan (8%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.4467, 0.3561, 0.4298 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 91.4467, 0.3561, 0.4298 by changing the saturation by 10% instead.


 91.4467, 0.3561,
0.4298


 91.4467, 0.3561,
0.4298

532.7258, 0.3384,
0.3840

 69.1812, 0.3595,
0.4399

 149.3463, 0.3505,
0.4142

 50.8593, 0.3634,
0.4521


 185.7492, 0.3481,
0.4080

 36.0966, 0.3677,
0.4672


227.6332, 0.3460,
0.4026

 24.5088, 0.3724,
0.4861

275.3829, 0.3442,
0.3980

 15.7115, 0.3771,
0.5103

329.3826, 0.3425,
0.3938

 9.3202, 0.3806,
0.5417

390.0167, 0.3410,

 4.9506, 0.3902,

0.3902

0.5988

457.6696, 0.3396,
0.3869

■ 2.2183, 0.3648,
0.6352

■ 0.7300, 0.1832,
0.8168

■ 91.4467, 0.3561,
0.4298

■ 91.4467, 0.3561,
0.4298

■ 89.7445, 0.3658,
0.4557

■ 93.3437, 0.3453,
0.4029

■ 88.2489, 0.3737,
0.4794

■ 95.4695, 0.3339,
0.3761

■ 86.9391, 0.3795,
0.4999

■ 97.8263, 0.3223,
0.3500

■ 85.8003, 0.3827,
0.5161

100.0000, 0.3127,
0.3290

■ 84.8154, 0.3832,
0.5277

■ 83.9599, 0.3815,
0.5347

■ 83.8325, 0.3811,
0.5356

Harmonies

Analogous

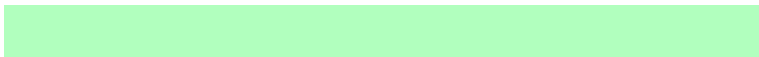
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.4467, 0.4009, 0.4129



91.4467, 0.3561, 0.4298



91.4467, 0.3019, 0.4141

Triad

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



91.4467, 0.3561, 0.4298



91.4467, 0.2134, 0.2679



91.4467, 0.3718, 0.2924

Complementary

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



91.4467, 0.3561, 0.4298



40.8027, 0.2562, 0.2157

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.



91.4467, 0.3160, 0.2606



91.4467, 0.3561, 0.4298



91.4467, 0.2280, 0.2451

Square

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



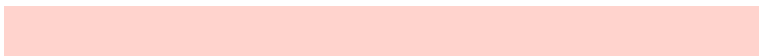
91.4467, 0.3561, 0.4298



91.4467, 0.2219, 0.3117



91.4467, 0.2639, 0.2435



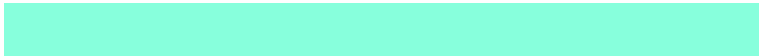
91.4467, 0.4123, 0.3334

Rectangle

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



91.4467, 0.3561, 0.4298



91.4467, 0.2679, 0.3855



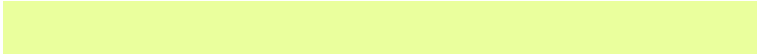
91.4467, 0.2639, 0.2435



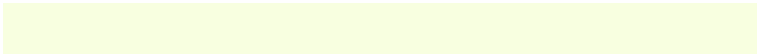
91.4467, 0.3539, 0.2805

Sweetspot

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



91.4389, 0.3561, 0.4298



96.9585, 0.3265, 0.3592



54.9796, 0.4007, 0.3499



20.6867, 0.3280, 0.3625



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

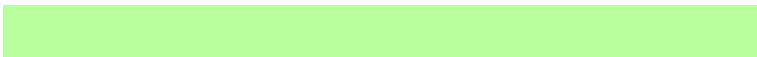
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.4389, 0.3561, 0.4298



90.1380, 0.3635, 0.4495



84.4432, 0.3247, 0.4408



20.8824, 0.3236, 0.3527



43.8719, 0.3817, 0.5351



4.3183, 0.3862, 0.5315

Inverse Universe

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



40.8027, 0.2562, 0.2157



33.0859, 0.2424, 0.1901



47.4367, 0.2931, 0.2266



17.5657, 0.3012, 0.3047



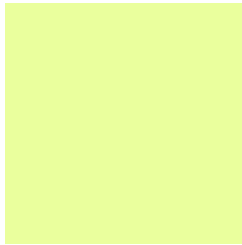
4.2455, 0.1609, 0.0660



0.4582, 0.1711, 0.0716

Previews

White Background



This preview shows how the Yxy color 91.4467, 0.3561, 0.4298 looks on a white background.

Color Contrast Check

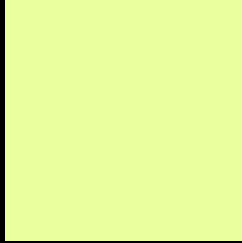
Large Text (above 18pt) WCAG AA × Fail

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 91.4467, 0.3561, 0.4298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

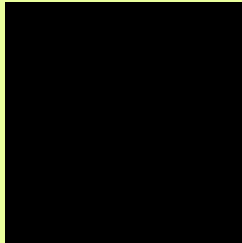
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.4467, 0.3561, 0.4298

Background



This preview shows how black text looks on a background with the Yxy color 91.4467, 0.3561, 0.4298.

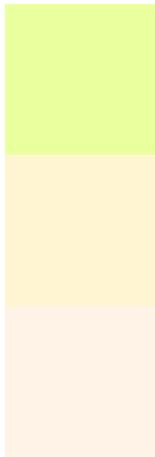


This preview shows how white text looks on a background with the Yxy color 91.4467, 0.3561, 0.4298.

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

91.4467, 0.3561, 0.4298

Protanopia

91.2180, 0.3410, 0.3637

Deuteranopia

91.1874, 0.3274, 0.3398



Tritanopia

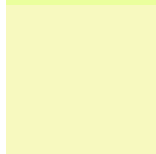
90.9140, 0.3075, 0.3173

Trichromacy



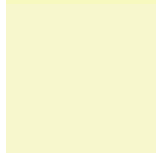
Original Color

91.4467, 0.3561, 0.4298



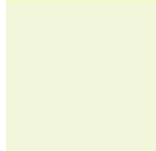
Protanomaly

91.2871, 0.3466, 0.3876



Deuteranomaly

90.7035, 0.3383, 0.3714



Tritanomaly

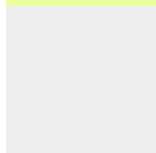
90.5132, 0.3263, 0.3573

Monochromacy



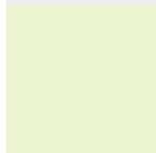
Original Color

91.4467, 0.3561, 0.4298



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

87.3093, 0.3295, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.4467, 0.3561, 0.4298 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, 157)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 157)  
}
```

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, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 157) }
```

Border

The CSS property to change the border of an element to Yxy 91.4467, 0.3561, 0.4298 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, 157) }
```

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

```
.border{ border-color:rgb(234, 255, 157) }
```

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, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 91.4467, 0.3561, 0.4298 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, 157) }
```

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

```
.background{ background-color: rgb(234,  
255, 157) }
```

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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