

Converting Colors

$Y_{xy}(100.0000, 0.3529, 0.4400)$

Have a look what the booklet for
Yxy(100.0000, 0.3529, 0.4400)
contains.

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Color

Yxy(91.6165, 0.3568, 0.4295)

Conversions

Conversions Part 1

Format	Color
Hex	EBFF9D
RGB	235, 255, 157
RGB Percent	92%, 100%, 62%
CMY	0.0784, 0.0000, 0.3842
CMYK	0.08, 0.00, 0.38, 0.00
HSL	72°, 100%, 81%
HSV	72°, 38%, 100%
XYZ	76.1089, 91.6165, 45.5843
YIQ	237.8480, 19.5380, -34.7180

Conversions

Conversions Part 2

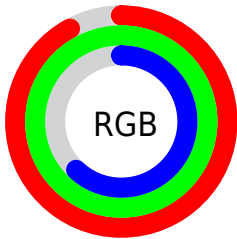
Format	Color
RYB	157, 255, 177
Decimal	15466397
CIELab	96.66, -21.31, 44.63
CIELCh	97, 49.458, 115.528
Yxy	91.6165, 0.3568, 0.4295
Android (android.graphics.Color)	4293656477 (0xFFEBFF9D)
YUV	237.8480, -39.8581, -2.4977
Hunter-Lab	95.7165, -25.5698, 38.7651

Details

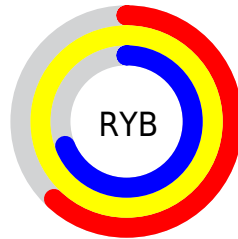
The Yxy color **91.6165, 0.3568, 0.4295** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.6962, 0.2555, 0.2155**, and the grayscale version is **85.6816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **50.8526, 0.3644, 0.4514** is the 20% darker color. If you saturate the color by 10%, you get **89.9622, 0.3666, 0.4552**, and if you desaturate by 10%, it is **93.4808, 0.3458, 0.4028**.

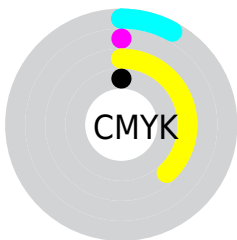
Distribution



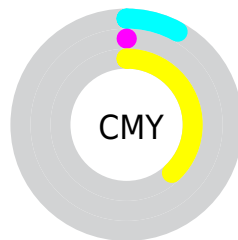
- Red (92%)
- Green (100%)
- Blue (62%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.6165, 0.3568, 0.4295 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 91.6165, 0.3568, 0.4295 by changing the saturation by 10% instead.


 91.6165, 0.3568,
0.4295


 91.6165, 0.3568,
0.4295


533.2753, 0.3388,
0.3838

 69.3221, 0.3603,
0.4395


 149.5818, 0.3511,
0.4139

 50.9741, 0.3642,
0.4517


 186.0215, 0.3487,
0.4078

 36.1880, 0.3686,
0.4667


227.9450, 0.3466,
0.4025

 24.5794, 0.3735,
0.4855

275.7369, 0.3447,
0.3978

 15.7640, 0.3784,
0.5095

329.7815, 0.3430,
0.3937

 9.3573, 0.3822,
0.5405

390.4632, 0.3414,

 4.9750, 0.3920,

0.3900

0.5968

458.1663, 0.3400,
0.3868

■ 2.2326, 0.3674,
0.6326

■ 0.7377, 0.1969,
0.8031

■ 91.6165, 0.3568,
0.4295

■ 91.6165, 0.3568,
0.4295

■ 89.9622, 0.3666,
0.4552

■ 93.4808, 0.3458,
0.4028

■ 88.5028, 0.3748,
0.4787

■ 95.5623, 0.3342,
0.3760

■ 87.2267, 0.3807,
0.4990

■ 97.8720, 0.3225,
0.3499

■ 86.1190, 0.3842,
0.5150

100.0000, 0.3127,
0.3290

■ 85.1625, 0.3849,
0.5264

■ 84.3331, 0.3833,
0.5332

■ 84.2084, 0.3829,
0.5341

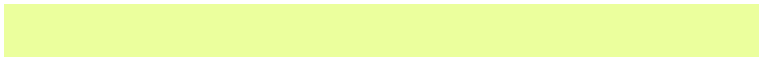
Harmonies

Analogous

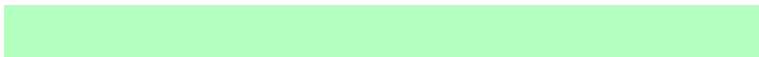
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.6165, 0.4013, 0.4123



91.6165, 0.3568, 0.4295



91.6165, 0.3027, 0.4144

Triad

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



91.6165, 0.3568, 0.4295



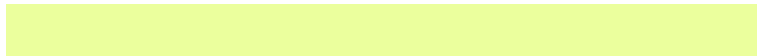
91.6165, 0.2136, 0.2685



91.6165, 0.3709, 0.2919

Complementary

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



91.6165, 0.3568, 0.4295



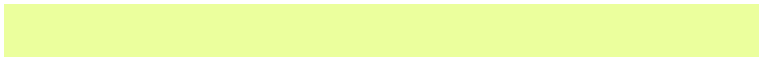
40.6962, 0.2555, 0.2155

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.



91.6165, 0.3151, 0.2603



91.6165, 0.3568, 0.4295



91.6165, 0.2278, 0.2454

Square

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



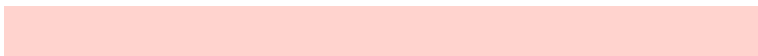
91.6165, 0.3568, 0.4295



91.6165, 0.2224, 0.3125



91.6165, 0.2633, 0.2435



91.6165, 0.4117, 0.3327

Rectangle

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



91.6165, 0.3568, 0.4295



91.6165, 0.2688, 0.3861



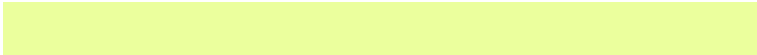
91.6165, 0.2633, 0.2435



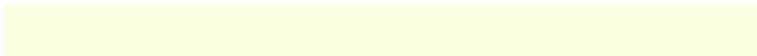
91.6165, 0.3530, 0.2801

Sweetspot

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



91.6177, 0.3568, 0.4295



97.0179, 0.3267, 0.3591



54.9924, 0.4007, 0.3499



20.7008, 0.3282, 0.3625



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

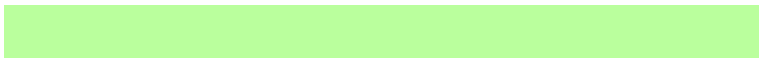
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.6177, 0.3568, 0.4295



90.3441, 0.3644, 0.4491



84.4477, 0.3247, 0.4408



20.8925, 0.3237, 0.3527



44.0661, 0.3836, 0.5336



4.3356, 0.3878, 0.5302

Inverse Universe

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



40.6962, 0.2555, 0.2155



32.9554, 0.2414, 0.1898



47.4509, 0.2931, 0.2267



17.5563, 0.3010, 0.3046



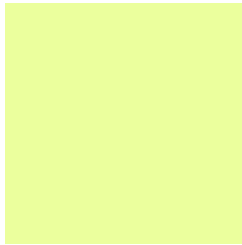
4.2048, 0.1600, 0.0655



0.4530, 0.1700, 0.0710

Previews

White Background



This preview shows how the Yxy color 91.6165, 0.3568, 0.4295 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 91.6165, 0.3568, 0.4295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

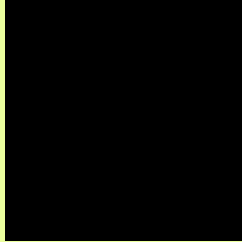
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.6165, 0.3568, 0.4295

Background



This preview shows how black text looks on a background with the Yxy color 91.6165, 0.3568, 0.4295.

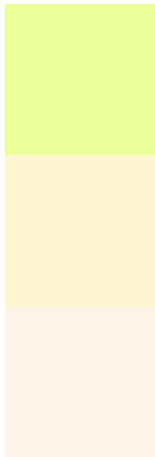


This preview shows how white text looks on a background with the Yxy color 91.6165, 0.3568, 0.4295.

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

91.6165, 0.3568, 0.4295

Protanopia

91.2680, 0.3404, 0.3627

Deuteranopia

91.1874, 0.3274, 0.3398



Tritanopia

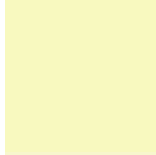
91.6955, 0.3081, 0.3183

Trichromacy



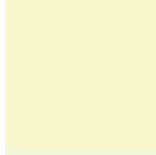
Original Color

91.6165, 0.3568, 0.4295



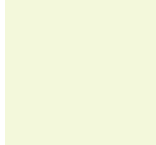
Protanomaly

91.4694, 0.3473, 0.3874



Deuteranomaly

90.8858, 0.3390, 0.3713



Tritanomaly

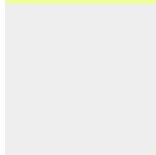
91.3040, 0.3269, 0.3582

Monochromacy



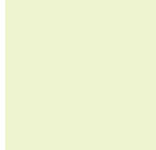
Original Color

91.6165, 0.3568, 0.4295



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 91.6165, 0.3568, 0.4295 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(235, 255, 157)` looks like.

```
.text, #text, p{  
    color:rgb(235, 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(235, 255, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 157) }
```

Border

The CSS property to change the border of an element to Yxy 91.6165, 0.3568, 0.4295 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(235, 255, 157) }
```

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

```
.border{ border-color:rgb(235, 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(235, 255, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 91.6165, 0.3568, 0.4295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 157) }
```

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

```
.background{ background-color: rgb(235,  
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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