

Converting Colors

$Yxy(90.7782, 0.3633, 0.4443)$

Have a look what the booklet for
Yxy(90.7782, 0.3633, 0.4443)
contains.

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Color

Yxy(90.7966, 0.3635, 0.4445)

Conversions

Conversions Part 1

Format	Color
Hex	E9FF8E
RGB	233, 255, 142
RGB Percent	91%, 100%, 56%
CMY	0.0862, 0.0000, 0.4430
CMYK	0.09, 0.00, 0.44, 0.00
HSL	72°, 100%, 78%
HSV	72°, 44%, 100%
XYZ	74.2510, 90.7966, 39.2192
YIQ	235.5400, 23.1610, -39.8070

Conversions

Conversions Part 2

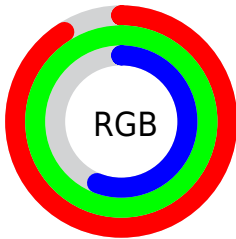
Format	Color
RYB	142, 255, 164
Decimal	15335310
CIELab	96.33, -23.67, 51.36
CIElCh	96, 56.556, 114.742
Yxy	90.7966, 0.3635, 0.4445
Android (android.graphics.Color)	4293525390 (0xFFE9FF8E)
YUV	235.5400, -46.1152, -2.2276
Hunter-Lab	95.2872, -27.6596, 42.2979

Details

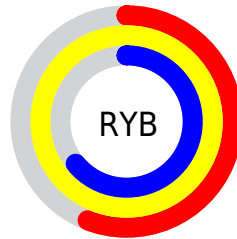
The Yxy color **90.7966, 0.3635, 0.4445** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **34.4754, 0.2439, 0.1953**, and the grayscale version is **83.8614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8112, 0.3472, 0.3860**, and **50.3395, 0.3719, 0.4691** is the 20% darker color. If you saturate the color by 10%, you get **89.2946, 0.3726, 0.4689**, and if you desaturate by 10%, it is **92.5025, 0.3529, 0.4184**.

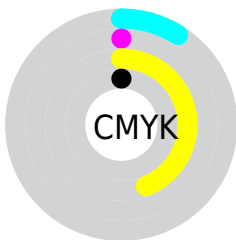
Distribution



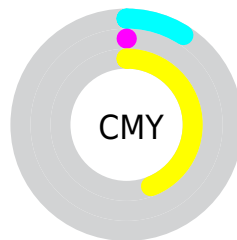
- Red (91%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (64%)



- Cyan (9%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.7966, 0.3635, 0.4445 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 90.7966, 0.3635, 0.4445 by changing the saturation by 10% instead.


 90.7966, 0.3635,
0.4445


 90.7966, 0.3635,
0.4445


530.6188, 0.3432,
0.3921

 68.6415, 0.3673,
0.4559


 148.4444, 0.3571,
0.4267

 50.4198, 0.3714,
0.4697


 184.7059, 0.3545,
0.4197

 35.7471, 0.3759,
0.4865

226.4384, 0.3521,
0.4135

 24.2389, 0.3804,
0.5072

274.0262, 0.3499,
0.4082

 15.5110, 0.3843,
0.5332

327.8538, 0.3480,
0.4035

 9.1788, 0.3856,
0.5658

388.3055, 0.3462,

 4.8580, 0.3852,

0.3992

0.6148

455.7657, 0.3446,
0.3955

■ 2.1642, 0.3522,
0.6478

■ 0.7004, 0.1114,
0.8886

■ 90.7966, 0.3635,
0.4445

■ 90.7966, 0.3635,
0.4445

■ 89.2946, 0.3726,
0.4689

■ 92.5025, 0.3529,
0.4184

■ 87.9764, 0.3797,
0.4904

■ 94.4157, 0.3415,
0.3916

■ 86.8308, 0.3843,
0.5081

■ 96.5490, 0.3296,
0.3651

■ 85.8418, 0.3863,
0.5212

■ 98.9120, 0.3177,
0.3395

■ 84.9897, 0.3858,
0.5296

100.0000, 0.3127,
0.3290

■ 84.5492, 0.3846,
0.5328

Harmonies

Analogous

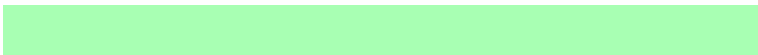
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7966, 0.4141, 0.4220



90.7966, 0.3635, 0.4445



90.7966, 0.3021, 0.4293

Triad

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



90.7966, 0.3635, 0.4445



90.7966, 0.2008, 0.2605



90.7966, 0.3777, 0.2856

Complementary

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



90.7966, 0.3635, 0.4445



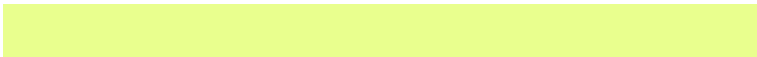
34.4754, 0.2439, 0.1953

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.



90.7966, 0.3133, 0.2508



90.7966, 0.3635, 0.4445



90.7966, 0.2159, 0.2346

Square

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



90.7966, 0.3635, 0.4445



90.7966, 0.2110, 0.3108



90.7966, 0.2549, 0.2324



90.7966, 0.4255, 0.3308

Rectangle

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



90.7966, 0.3635, 0.4445



90.7966, 0.2634, 0.3967



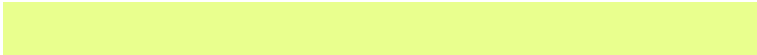
90.7966, 0.2549, 0.2324



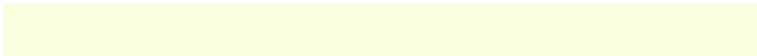
90.7966, 0.3569, 0.2726

Sweetspot

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



90.7992, 0.3635, 0.4445



96.8422, 0.3280, 0.3617



49.3209, 0.4212, 0.3510



20.6219, 0.3307, 0.3675



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

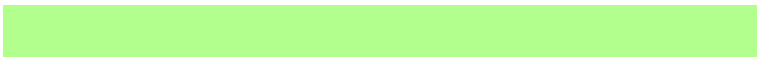
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.7992, 0.3635, 0.4445



89.4789, 0.3715, 0.4659



82.9172, 0.3269, 0.4597



20.9016, 0.3239, 0.3527



44.2421, 0.3852, 0.5323



4.3513, 0.3893, 0.5291

Inverse Universe

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



34.4754, 0.2439, 0.1953



26.7429, 0.2272, 0.1659



41.6749, 0.2875, 0.2101



17.5479, 0.3009, 0.3046



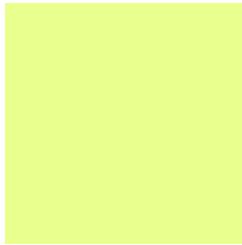
4.1703, 0.1592, 0.0651



0.4485, 0.1689, 0.0704

Previews

White Background



This preview shows how the Yxy color 90.7966, 0.3635, 0.4445 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 90.7966, 0.3635, 0.4445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

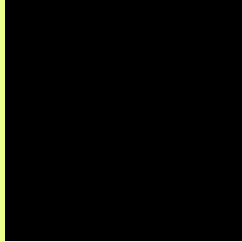
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.7966, 0.3635, 0.4445

Background



This preview shows how black text looks on a background with the Yxy color 90.7966, 0.3635, 0.4445.

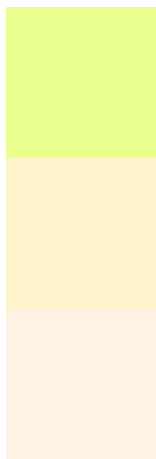


This preview shows how white text looks on a background with the Yxy color 90.7966, 0.3635, 0.4445.

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

90.7966, 0.3635, 0.4445

Protanopia

90.3691, 0.3443, 0.3678

Deuteranopia

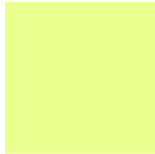
90.4214, 0.3294, 0.3418



Tritanopia

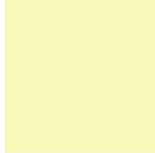
90.3171, 0.3075, 0.3163

Trichromacy



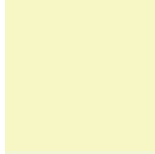
Original Color

90.7966, 0.3635, 0.4445



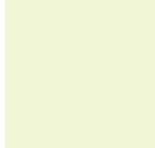
Protanomaly

90.2864, 0.3523, 0.3958



Deuteranomaly

90.3269, 0.3433, 0.3796



Tritanomaly

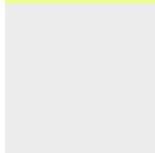
90.0773, 0.3287, 0.3626

Monochromacy



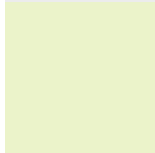
Original Color

90.7966, 0.3635, 0.4445



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

86.0276, 0.3326, 0.3717

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.7966, 0.3635, 0.4445 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(233, 255, 142)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 142)  
}
```

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(233, 255, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 142) }
```

Border

The CSS property to change the border of an element to Yxy 90.7966, 0.3635, 0.4445 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(233, 255, 142) }
```

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

```
.border{ border-color:rgb(233, 255, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 255, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 142);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 90.7966, 0.3635, 0.4445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 142) }
```

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

```
.background{ background-color: rgb(233,  
255, 142) }
```

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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