

Converting Colors

$Y_{xy}(109.1061, 0.3450, 0.4486)$

Have a look what the booklet for
Yxy(109.1061, 0.3450, 0.4486)
contains.

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Color

Yxy(90.9162, 0.3512, 0.4267)

Conversions

Conversions Part 1

Format	Color
Hex	E6FFA1
RGB	230, 255, 161
RGB Percent	90%, 100%, 63%
CMY	0.0980, 0.0000, 0.3686
CMYK	0.10, 0.00, 0.37, 0.00
HSL	76°, 100%, 82%
HSV	76°, 37%, 100%
XYZ	74.8296, 90.9162, 47.3224
YIQ	236.8090, 15.2740, -34.5340

Conversions

Conversions Part 2

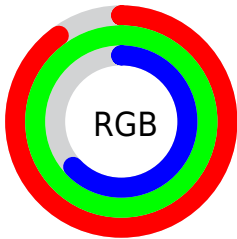
Format	Color
RYB	161, 255, 186
Decimal	15138721
CIELab	96.38, -22.69, 42.26
CIElCh	96, 47.962, 118.234
Yxy	90.9162, 0.3512, 0.4267
Android (android.graphics.Color)	4293328801 (0xFFE6FFA1)
YUV	236.8090, -37.3738, -5.9715
Hunter-Lab	95.3500, -26.7778, 37.3192

Details

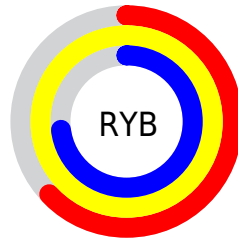
The Yxy color **90.9162, 0.3512, 0.4267** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **43.1479, 0.2625, 0.2219**, and the grayscale version is **84.8207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7898, 0.3352, 0.3661**, and **50.3551, 0.3574, 0.4485** is the 20% darker color. If you saturate the color by 10%, you get **89.0090, 0.3601, 0.4536**, and if you desaturate by 10%, it is **93.0554, 0.3412, 0.3992**.

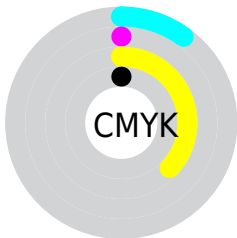
Distribution



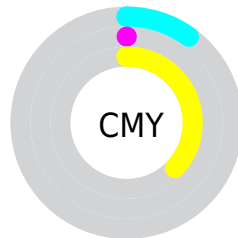
- Red (90%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (73%)



- Cyan (10%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.9162, 0.3512, 0.4267 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 90.9162, 0.3512, 0.4267 by changing the saturation by 10% instead.

 90.9162, 0.3512,
0.4267


 90.9162, 0.3512,
0.4267


531.0067, 0.3355,
0.3821

 68.7408, 0.3542,
0.4366


 148.6104, 0.3462,
0.4114

 50.5006, 0.3576,
0.4487


 184.8979, 0.3441,
0.4054

 35.8113, 0.3614,
0.4636


226.6583, 0.3423,
0.4002

 24.2885, 0.3656,
0.4824

274.2760, 0.3407,
0.3957

 15.5478, 0.3697,
0.5068

328.1352, 0.3392,
0.3916

 9.2047, 0.3728,
0.5389

388.6205, 0.3378,

 4.8750, 0.3790,

0.3881

0.5936

456.1162, 0.3366,
0.3849

■ 2.1741, 0.3582,
0.6418

■ 0.7058, 0.1422,
0.8578

■ 90.9162, 0.3512,
0.4267

■ 90.9162, 0.3512,
0.4267

■ 89.0090, 0.3601,
0.4536

■ 93.0554, 0.3412,
0.3992

■ 87.3147, 0.3675,
0.4787

■ 95.4300, 0.3307,
0.3721

■ 85.8228, 0.3727,
0.5008

■ 98.0523, 0.3200,
0.3460

■ 84.5186, 0.3754,
0.5188

100.0000, 0.3127,
0.3290

■ 83.3851, 0.3755,
0.5322

■ 82.4007, 0.3732,
0.5406

■ 82.1125, 0.3722,
0.5427

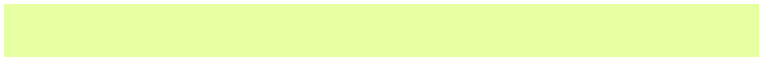
Harmonies

Analogous

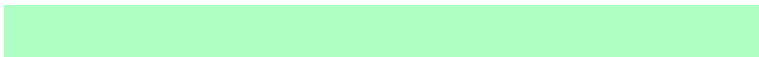
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9162, 0.3958, 0.4127



90.9162, 0.3512, 0.4267



90.9162, 0.2984, 0.4088

Triad

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



90.9162, 0.3512, 0.4267



90.9162, 0.2164, 0.2673



90.9162, 0.3737, 0.2963

Complementary

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



90.9162, 0.3512, 0.4267



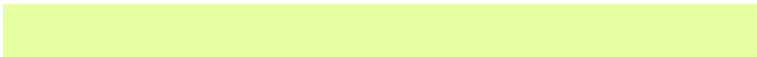
43.1479, 0.2625, 0.2219

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.



90.9162, 0.3201, 0.2643



90.9162, 0.3512, 0.4267



90.9162, 0.2322, 0.2466

Square

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



90.9162, 0.3512, 0.4267



90.9162, 0.2230, 0.3086



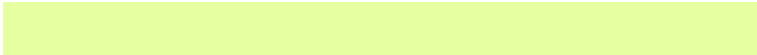
90.9162, 0.2687, 0.2464



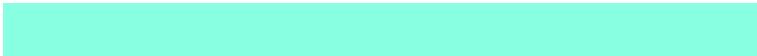
90.9162, 0.4112, 0.3366

Rectangle

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



90.9162, 0.3512, 0.4267



90.9162, 0.2659, 0.3799



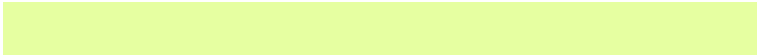
90.9162, 0.2687, 0.2464



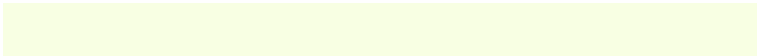
90.9162, 0.3567, 0.2844

Sweetspot

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



90.9187, 0.3512, 0.4267



96.9365, 0.3244, 0.3566



58.3229, 0.3939, 0.3539



20.6722, 0.3258, 0.3602



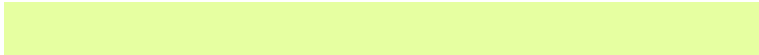
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

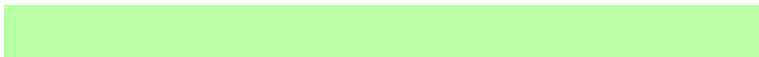
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.9187, 0.3512, 0.4267



89.5331, 0.3577, 0.4460



84.3457, 0.3214, 0.4367



20.8336, 0.3228, 0.3528



42.9823, 0.3729, 0.5421



4.2384, 0.3784, 0.5377

Inverse Universe

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



43.1479, 0.2625, 0.2219



35.6463, 0.2503, 0.1983



49.7827, 0.2979, 0.2320



17.6112, 0.3020, 0.3047



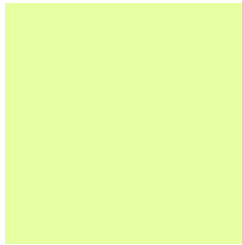
4.4721, 0.1660, 0.0688



0.4860, 0.1772, 0.0750

Previews

White Background



This preview shows how the Yxy color 90.9162, 0.3512, 0.4267 looks on a white background.

Color Contrast Check

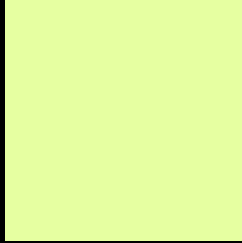
Large Text (above 18pt) WCAG AA × Fail

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 90.9162, 0.3512, 0.4267 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

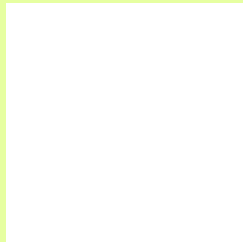
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.9162, 0.3512, 0.4267

Background



This preview shows how black text looks on a background with the Yxy color 90.9162, 0.3512, 0.4267.

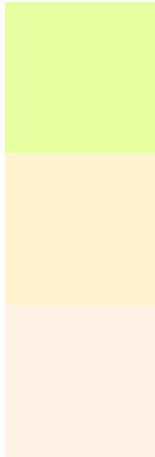


This preview shows how white text looks on a background with the Yxy color 90.9162, 0.3512, 0.4267.

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

90.9162, 0.3512, 0.4267

Protanopia

90.4664, 0.3431, 0.3658

Deuteranopia

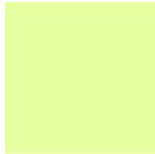
90.5338, 0.3281, 0.3398



Tritanopia

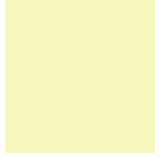
90.5543, 0.3062, 0.3172

Trichromacy



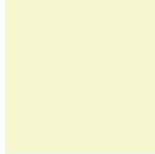
Original Color

90.9162, 0.3512, 0.4267



Protanomaly

90.4453, 0.3467, 0.3878



Deuteranomaly

90.5706, 0.3370, 0.3704



Tritanomaly

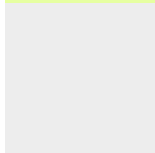
90.0927, 0.3231, 0.3554

Monochromacy



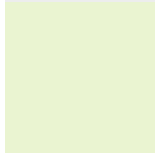
Original Color

90.9162, 0.3512, 0.4267



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.7972, 0.3275, 0.3654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.9162, 0.3512, 0.4267 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(230, 255, 161)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 161)  
}
```

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(230, 255, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 161) }
```

Border

The CSS property to change the border of an element to Yxy 90.9162, 0.3512, 0.4267 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(230, 255, 161) }
```

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

```
.border{ border-color:rgb(230, 255, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 255, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 161);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 90.9162, 0.3512, 0.4267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 161) }
```

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

```
.background{ background-color: rgb(230,  
255, 161) }
```

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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