

Converting Colors

`RYB(116, 255, 164)`

Have a look what the booklet for
RYB(116, 255, 164) contains.

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Color

R_YB(116, 255, 164)

Conversions

Conversions Part 1

Format	Color
Hex	CFFF74
RGB	207, 255, 116
RGB Percent	81%, 100%, 45%
CMY	0.1882, 0.0000, 0.5451
CMYK	0.19, 0.00, 0.55, 0.00
HSL	81°, 100%, 73%
HSV	81°, 55%, 100%
XYZ	64.6445, 86.0464, 29.7245
YIQ	224.8020, 16.0110, -53.4050

Conversions

Conversions Part 2

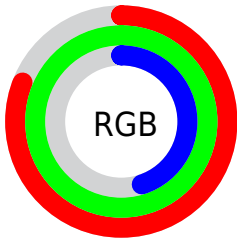
Format	Color
RYB	116, 255, 164
Decimal	13631348
CIELab	94.33, -35.86, 60.49
CIElCh	94, 70.316, 120.661
Yxy	86.0464, 0.3583, 0.4769
Android (android.graphics.Color)	4291821428 (0xFFCFFF74)
YUV	224.8020, -53.6394, -15.6124
Hunter-Lab	92.7612, -37.9368, 45.9339

Details

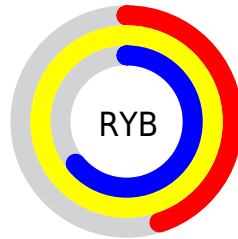
The RYB color **116, 255, 164** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **164, 116, 255**, and the grayscale version is **225, 225, 225**.

A 20% lighter version of the original color is **171, 255, 171**, and **61, 198, 109** is the 20% darker color. If you saturate the color by 10%, you get **90, 255, 147**, and if you desaturate by 10%, it is **142, 255, 181**.

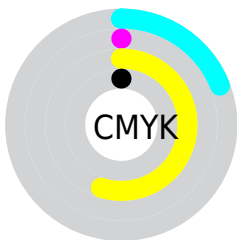
Distribution



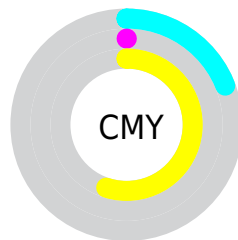
- Red (81%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (64%)



- Cyan (19%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)



- Cyan (19%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RYB color 116, 255, 164 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 RYB color 116, 255, 164 by changing the saturation by 10% instead.

 116, 255, 164

255, 255, 255


 171, 255, 171

 200, 255, 200


 229, 255, 229


 116, 255, 164

 89, 226, 137

 61, 198, 109

 30, 171, 79

 0, 144, 50

 0, 118, 51

 0, 93, 53

 0, 69, 69

 0, 46, 46

 0, 24, 24

■ 116, 255, 164

■ 116, 255, 164

■ 90, 255, 147

■ 142, 255, 181

■ 65, 255, 131

■ 167, 255, 197

■ 39, 255, 113

■ 193, 255, 215

■ 14, 255, 97

■ 218, 255, 231

■ 0, 255, 88

■ 243, 255, 247

255, 255, 255

Harmonies

Analogous

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



118, 255, 96



116, 255, 164



115, 216, 255

Triad

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



116, 255, 164



0, 128, 255



255, 180, 240

Complementary

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



116, 255, 164



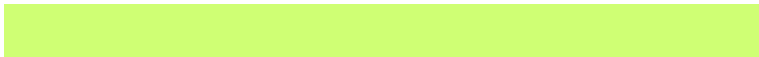
164, 116, 255

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.



255, 194, 255



116, 255, 164



105, 178, 255

Square

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



116, 255, 164



0, 128, 255



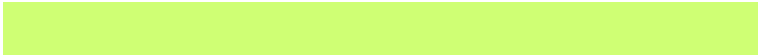
244, 220, 255



255, 191, 173

Rectangle

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



116, 255, 164



0, 139, 255



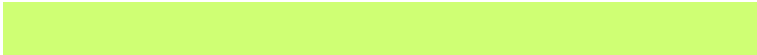
244, 220, 255



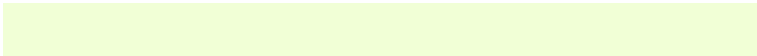
255, 182, 255

Sweetspot

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



116, 255, 164



214, 255, 228



255, 185, 116



103, 128, 112



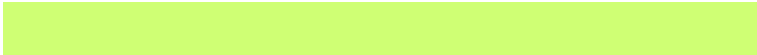
0, 0, 0



128, 128, 128

Same Dimension

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



116, 255, 164



89, 255, 146



116, 255, 232



115, 128, 120



0, 191, 66



0, 64, 22

Inverse Universe

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



164, 116, 255



146, 89, 255



232, 116, 255



119, 115, 128



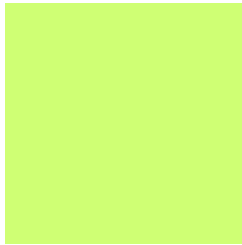
66, 0, 191



22, 0, 64

Previews

White Background



This preview shows how the RYB color 116, 255, 164 looks on a white background.

Color Contrast Check

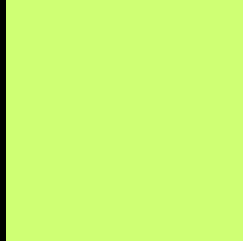
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 116, 255, 164 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](#).

R Y B 116, 255, 164 Background



This preview shows how black text looks on a background with the RYB color 116, 255, 164.

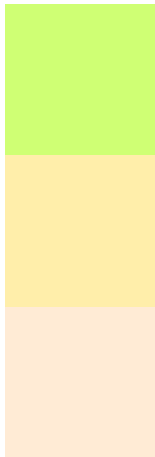


This preview shows how white text looks on a background with the RYB color 116, 255, 164.

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
116, 255, 164

Protanopia
191, 255, 170

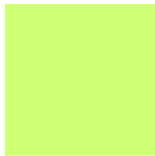
Deuteranopia
251, 255, 213



Tritanopia

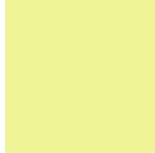
228, 236, 255

Trichromacy



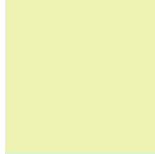
Original Color

116, 255, 164



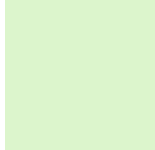
Protanomaly

150, 244, 156



Deuteranomaly

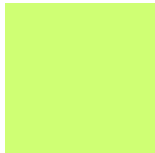
178, 242, 182



Tritanomaly

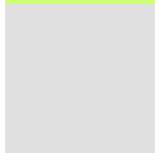
204, 245, 229

Monochromacy



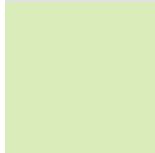
Original Color

116, 255, 164



Achromatopsia

225, 225, 225



Achromatomaly

185, 236, 203

CSS Examples

Text

The CSS property to change the color of the text to RGB 116, 255, 164 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(207, 255, 116) looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 116)  
}
```

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(207, 255, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 116) }
```

Border

The CSS property to change the border of an element to RYB 116, 255, 164 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(207, 255, 116) }
```

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

```
.border{ border-color:rgb(207, 255, 116) }
```

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

Here you see how a box with a 4 pixel rgb(207, 255, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 116);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
116) }
```

Background

The CSS property to change the background color of an element to RYB 116, 255, 164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 116) }
```

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

```
.background{ background-color: rgb(207,  
255, 116) }
```

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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