

Converting Colors

`RYB(116, 226, 124)`

Have a look what the booklet for
RYB(116, 226, 124) contains.

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Color

R_YB(116, 226, 124)

Conversions

Conversions Part 1

Format	Color
Hex	DAE274
RGB	218, 226, 116
RGB Percent	85%, 89%, 45%
CMY	0.1451, 0.1137, 0.5451
CMYK	0.04, 0.00, 0.49, 0.11
HSL	64°, 65%, 67%
HSV	64°, 49%, 89%
XYZ	59.2622, 70.5591, 27.0188
YIQ	211.0680, 30.5420, -35.9060

Conversions

Conversions Part 2

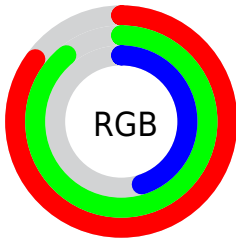
Format	Color
RYB	116, 226, 124
Decimal	14344820
CIELab	87.27, -17.98, 52.37
CIELCh	87, 55.372, 108.946
Yxy	70.5591, 0.3779, 0.4499
Android (android.graphics.Color)	4292534900 (0xFFDAE274)
YUV	211.0680, -46.8685, 6.0794
Hunter-Lab	83.9995, -21.0661, 39.7287

Details

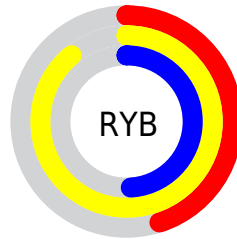
The RYB color **116, 226, 124** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **124, 116, 226**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is **170, 255, 170**, and **63, 171, 73** is the 20% darker color. If you saturate the color by 10%, you get **93, 226, 103**, and if you desaturate by 10%, it is **139, 226, 145**.

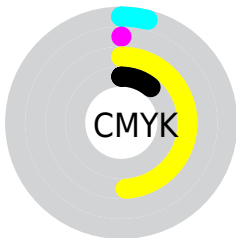
Distribution



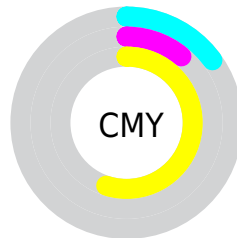
- Red (85%)
- Green (89%)
- Blue (45%)



- Red (45%)
- Yellow (89%)
- Blue (49%)



- Cyan (4%)
- Magenta (0%)
- Yellow (49%)
- Black (11%)



- Cyan (15%)
- Magenta (11%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RYB color 116, 226, 124 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, 226, 124 by changing the saturation by 10% instead.

 116, 226, 124


255, 255, 255

 170, 255, 170

 198, 255, 198


 227, 255, 227

 116, 226, 124

 90, 198, 99

 63, 171, 73

 36, 144, 47

 0, 119, 13

 0, 94, 14

 0, 70, 15

 0, 48, 19

 0, 28, 28

 0, 0, 0


 116, 226, 124

 116, 226, 124

 93, 226, 103

 139, 226, 145

 71, 226, 82

 161, 226, 166

 48, 226, 61

 184, 226, 187

 26, 226, 41

 206, 226, 207

 3, 226, 19

 226, 226, 229

 0, 226, 16

 228, 226, 252

 230, 226, 255

 231, 226, 255

 233, 226, 255

Harmonies

Analogous

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



182, 255, 114



116, 226, 124



147, 238, 227

Triad

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



116, 226, 124



0, 124, 255



255, 178, 240

Complementary

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



116, 226, 124



124, 116, 226

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, 192, 255



116, 226, 124



82, 162, 255

Square

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



116, 226, 124



0, 124, 251



193, 208, 255



255, 177, 187

Rectangle

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



116, 226, 124



107, 196, 243



193, 208, 255



255, 181, 255

Sweetspot

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



116, 226, 124



217, 255, 220



226, 123, 116



105, 128, 107



0, 0, 0



128, 128, 128

Same Dimension

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



116, 226, 124



107, 255, 118



116, 226, 178



101, 112, 102



0, 176, 13



0, 48, 3

Inverse Universe

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



124, 116, 226



118, 107, 255



178, 116, 226



102, 101, 112



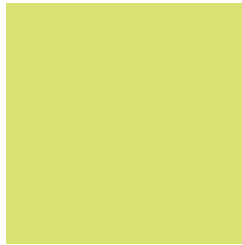
13, 0, 176



4, 0, 48

Previews

White Background



This preview shows how the RYB color 116, 226, 124 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, 226, 124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

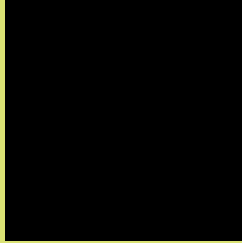
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

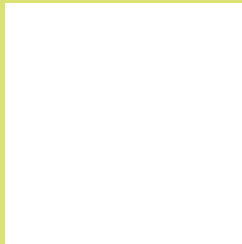
Any Text WCAG AAA ✓ Pass

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

RYB 116, 226, 124 Background



This preview shows how black text looks on a background with the RYB color 116, 226, 124.

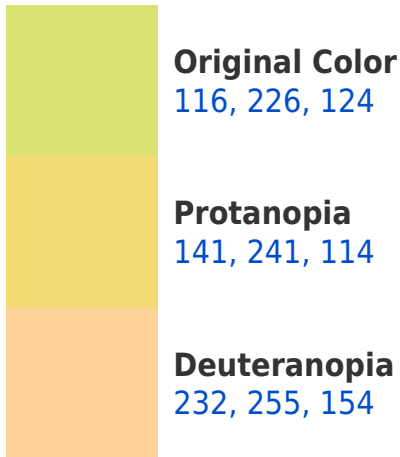


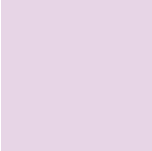
This preview shows how white text looks on a background with the RYB color 116, 226, 124.

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](#).

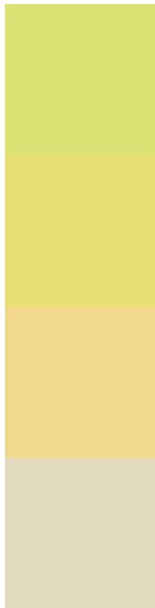
Dichromacy





Tritanopia
231, 213, 230

Trichromacy



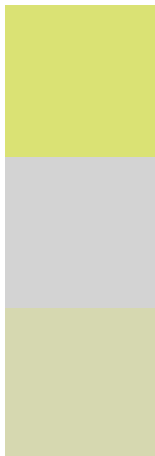
Original Color
116, 226, 124

Protanomaly
127, 233, 115

Deuteranomaly
175, 242, 140

Tritanomaly
199, 226, 189

Monochromacy



Original Color
116, 226, 124

Achromatopsia
211, 211, 211

Achromatomaly
176, 216, 178

CSS Examples

Text

The CSS property to change the color of the text to RYB 116, 226, 124 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(218, 226, 116)` looks like.

```
.text, #text, p{  
    color:rgb(218, 226, 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(218, 226, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 226, 116) }
```

Border

The CSS property to change the border of an element to RYB 116, 226, 124 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(218, 226, 116) }
```

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

```
.border{ border-color:rgb(218, 226, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 226, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 226, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 226, 116);  
box-shadow:4px 4px 4px 4px rgb(218, 226,  
116) }
```

Background

The CSS property to change the background color of an element to RYB 116, 226, 124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 226, 116) }
```

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

```
.background{ background-color: rgb(218,  
226, 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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