

Converting Colors

`RYB(136, 219, 107)`

Have a look what the booklet for
RYB(136, 219, 107) contains.

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Color

R_YB(136, 219, 107)

Conversions

Conversions Part 1

Format	Color
Hex	DBC46B
RGB	219, 196, 107
RGB Percent	86%, 77%, 42%
CMY	0.1412, 0.2315, 0.5804
CMYK	0.00, 0.11, 0.51, 0.14
HSL	48°, 61%, 64%
HSV	48°, 51%, 86%
XYZ	51.5992, 55.5855, 21.9194
YIQ	192.7310, 42.2770, -22.8030

Conversions

Conversions Part 2

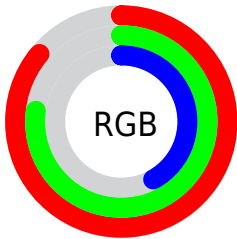
Format	Color
R _Y B	136, 219, 107
Decimal	14402667
CIE Lab	79.38, -3.22, 47.23
CIE LCh	79, 47.338, 93.905
Yxy	55.5855, 0.3997, 0.4305
Android (android.graphics.Color)	4292592747 (0xFFDBC46B)
YUV	192.7310, -42.2654, 23.0379
Hunter-Lab	74.5557, -6.9344, 34.7577

Details

The RYB color **136, 219, 107** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **107, 126, 219**, and the grayscale version is **193, 193, 193**.

A 20% lighter version of the original color is **163, 255, 160**, and **79, 162, 56** is the 20% darker color. If you saturate the color by 10%, you get **120, 219, 85**, and if you desaturate by 10%, it is **153, 219, 129**.

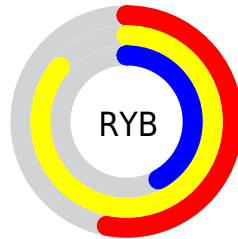
Distribution



Red (86%)

Green (77%)

Blue (42%)



Red (53%)

Yellow (86%)

Blue (42%)

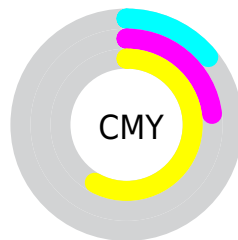


Cyan (0%)

Magenta (11%)

Yellow (51%)

Black (14%)



Cyan (14%)

Magenta (23%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 136, 219, 107 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 136, 219, 107 by changing the saturation by 10% instead.

 136, 219, 107

255, 255, 255

 163, 255, 160

 188, 255, 188


 216, 255, 216

 245, 255, 245

 136, 219, 107

 107, 190, 81

 79, 162, 56

 50, 134, 30

 16, 107, 0

 14, 81, 0

 9, 55, 0

 5, 31, 0

 0, 0, 0

 136, 219, 107

 136, 219, 107

120, 219, 85

153, 219, 129

103, 219, 63

169, 219, 151

88, 219, 41

186, 219, 173

71, 219, 19

201, 219, 195

57, 219, 0

219, 219, 217

219, 222, 238

219, 226, 255

219, 229, 255

219, 231, 255

Harmonies

Analogous

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



255, 231, 118



136, 219, 107



121, 209, 157

Triad

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



136, 219, 107



0, 115, 244



255, 168, 236

Complementary

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



136, 219, 107



107, 126, 219

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.



209, 183, 255



136, 219, 107



24, 127, 255

Square

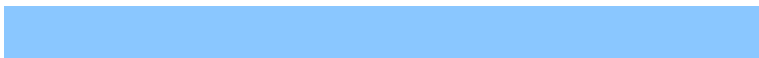
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



136, 219, 107



30, 130, 220



138, 178, 255



255, 161, 193

Rectangle

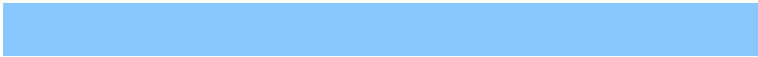
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



136, 219, 107



137, 208, 214



138, 178, 255



243, 172, 249

Sweetspot

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



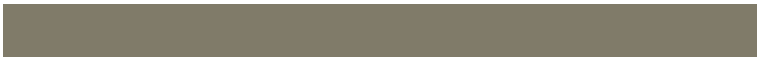
136, 219, 107



227, 255, 217



219, 107, 131



111, 128, 105



0, 0, 0



128, 128, 128

Same Dimension

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



136, 219, 107



139, 255, 99



107, 219, 139



103, 110, 99



44, 173, 0



13, 46, 0

Inverse Universe

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



107, 126, 219



99, 126, 255



139, 107, 219



99, 101, 110



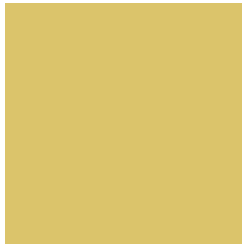
0, 30, 173



0, 8, 46

Previews

White Background



This preview shows how the RYB color 136, 219, 107 looks on a white background.

Color Contrast Check

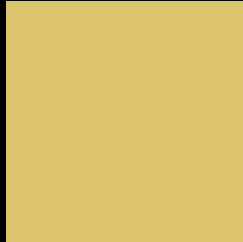
Large Text (above 18pt) WCAG AA × Fail

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 136, 219, 107 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 136, 219, 107 Background



This preview shows how black text looks on a background with the RYB color 136, 219, 107.

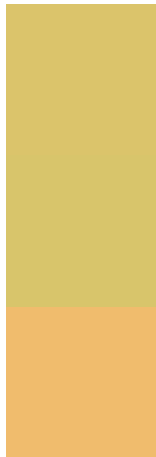


This preview shows how white text looks on a background with the RYB color 136, 219, 107.

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
136, 219, 107

Protanopia
130, 216, 107

Deuteranopia
195, 240, 109



Tritanopia
228, 185, 200

Trichromacy



Original Color

136, 219, 107

Protanomaly

131, 217, 107

Deuteranomaly

169, 232, 108

Tritanomaly

225, 204, 166

Monochromacy



Original Color

136, 219, 107

Achromatopsia

193, 193, 193

Achromatomaly

172, 202, 162

CSS Examples

Text

The CSS property to change the color of the text to RYB 136, 219, 107 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(219, 196, 107)` looks like.

```
.text, #text, p{  
    color:rgb(219, 196, 107)  
}
```

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(219, 196, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 196, 107) }
```

Border

The CSS property to change the border of an element to RYB 136, 219, 107 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(219, 196, 107) }
```

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

```
.border{ border-color:rgb(219, 196, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 196, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 196, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 196, 107);  
box-shadow:4px 4px 4px 4px rgb(219, 196,  
107) }
```

Background

The CSS property to change the background color of an element to RYB 136, 219, 107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 196, 107) }
```

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

```
.background{ background-color: rgb(219,  
196, 107) }
```

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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