

Converting Colors

`RYB(160, 242, 109)`

Have a look what the booklet for
RYB(160, 242, 109) contains.

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Color

R_YB(160, 242, 109)

Conversions

Conversions Part 1

Format	Color
Hex	F2CD6D
RGB	242, 205, 109
RGB Percent	95%, 80%, 43%
CMY	0.0510, 0.1955, 0.5725
CMYK	0.00, 0.15, 0.55, 0.05
HSL	43°, 84%, 69%
HSV	43°, 55%, 95%
XYZ	61.2421, 63.7090, 23.5373
YIQ	205.1190, 52.8680, -22.0120

Conversions

Conversions Part 2

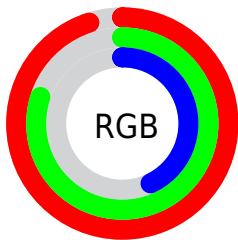
Format	Color
R _{YB}	160, 242, 109
Decimal	15912301
CIE Lab	83.81, 1.62, 52.06
CIE LCh	84, 52.087, 88.213
Yxy	63.7090, 0.4124, 0.4291
Android (android.graphics.Color)	4294102381 (0xFFF2CD6D)
YUV	205.1190, -47.3867, 32.3446
Hunter-Lab	79.8179, -2.7233, 38.3887

Details

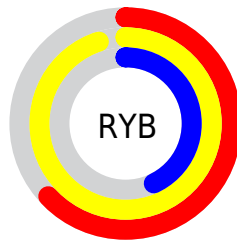
The RYB color **160, 242, 109** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **109, 138, 242**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is **163, 255, 163**, and **100, 183, 57** is the 20% darker color. If you saturate the color by 10%, you get **146, 242, 85**, and if you desaturate by 10%, it is **174, 242, 133**.

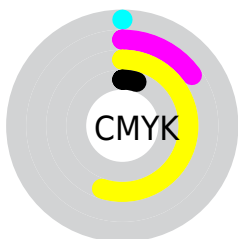
Distribution



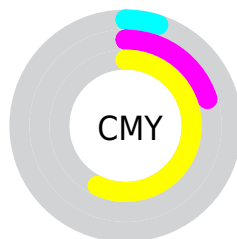
- Red (95%)
- Green (80%)
- Blue (43%)



- Red (63%)
- Yellow (95%)
- Blue (43%)



- Cyan (0%)
- Magenta (15%)
- Yellow (55%)
- Black (5%)



- Cyan (5%)
- Magenta (20%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 160, 242, 109 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 160, 242, 109 by changing the saturation by 10% instead.

 160, 242, 109

 160, 242, 109


255, 255, 255

 129, 212, 83

 163, 255, 163

 100, 183, 57

 190, 255, 190

 69, 155, 30


 219, 255, 219


 33, 127, 0

 248, 255, 248

 28, 99, 0

 26, 73, 0


 18, 47, 0

 18, 22, 0


 0, 0, 0

 160, 242, 109

 160, 242, 109

 146, 242, 85


 174, 242, 133

 130, 242, 61


 189, 242, 157

 115, 242, 36

 206, 242, 182

 101, 242, 12

 220, 242, 206

 93, 242, 0

 234, 242, 230

 242, 244, 254

 242, 248, 255

 242, 249, 255

Harmonies

Analogous

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



255, 244, 127



160, 242, 109



120, 220, 148

Triad

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



160, 242, 109



0, 122, 254



255, 179, 255

Complementary

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



160, 242, 109



109, 138, 242

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, 197, 255



160, 242, 109



0, 120, 255

Square

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



160, 242, 109



35, 143, 234



123, 177, 255



255, 169, 214

Rectangle

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



160, 242, 109



142, 227, 215



123, 177, 255



251, 185, 255

Sweetspot

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



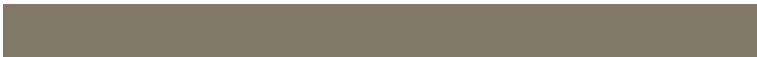
160, 242, 109



229, 255, 214



242, 109, 147



113, 128, 103



0, 0, 0



128, 128, 128

Same Dimension

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



160, 242, 109



152, 255, 87



109, 242, 138



112, 120, 108



71, 184, 0



20, 56, 0

Inverse Universe

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



109, 138, 242



87, 123, 255



138, 109, 242



108, 110, 120



0, 40, 184



0, 12, 56

Previews

White Background



This preview shows how the RYB color 160, 242, 109 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 160, 242, 109 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 160, 242, 109 Background



This preview shows how black text looks on a background with the RYB color 160, 242, 109.



This preview shows how white text looks on a background with the RYB color 160, 242, 109.

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
160, 242, 109

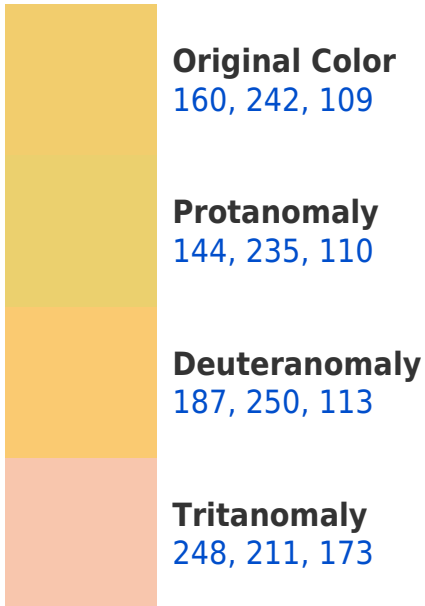
Protanopia
137, 231, 110

Deuteranopia
206, 255, 115



Tritanopia
251, 194, 209

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 160, 242, 109 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(242, 205, 109)` looks like.

```
.text, #text, p{  
    color:rgb(242, 205, 109)  
}
```

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(242, 205, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 205, 109) }
```

Border

The CSS property to change the border of an element to RYB 160, 242, 109 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(242, 205, 109) }
```

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

```
.border{ border-color:rgb(242, 205, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 205, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 205, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 205, 109);  
box-shadow:4px 4px 4px 4px rgb(242, 205,  
109) }
```

Background

The CSS property to change the background color of an element to RYB 160, 242, 109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 205, 109) }
```

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

```
.background{ background-color: rgb(242,  
205, 109) }
```

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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