

Converting Colors

`RYB(165, 234, 72)`

Have a look what the booklet for
RYB(165, 234, 72) contains.

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Color

`RYB(165, 234, 72)`

Conversions

Conversions Part 1

Format	Color
Hex	EAAF48
RGB	234, 175, 72
RGB Percent	92%, 69%, 28%
CMY	0.0824, 0.3140, 0.7176
CMYK	0.00, 0.25, 0.69, 0.08
HSL	38°, 79%, 60%
HSV	38°, 69%, 92%
XYZ	50.4153, 48.5882, 12.8522
YIQ	180.8990, 68.2270, -19.5250

Conversions

Conversions Part 2

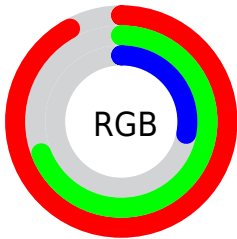
Format	Color
RYB	165, 234, 72
Decimal	15380296
CIELab	75.19, 11.66, 59.12
CIElCh	75, 60.264, 78.841
Yxy	48.5882, 0.4507, 0.4344
Android (android.graphics.Color)	4293570376 (0xFFEAAF48)
YUV	180.8990, -53.6872, 46.5696
Hunter-Lab	69.7052, 7.1186, 37.8618

Details

The RYB color **165, 234, 72** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **72, 115, 234**, and the grayscale version is **181, 181, 181**.

A 20% lighter version of the original color is **156, 255, 125**, and **86, 174, 12** is the 20% darker color. If you saturate the color by 10%, you get **157, 234, 49**, and if you desaturate by 10%, it is **176, 234, 95**.

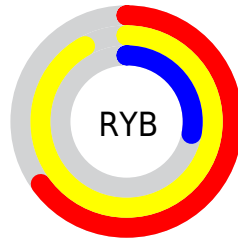
Distribution



Red (92%)

Green (69%)

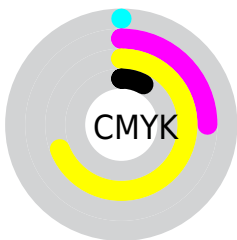
Blue (28%)



Red (65%)

Yellow (92%)

Blue (28%)

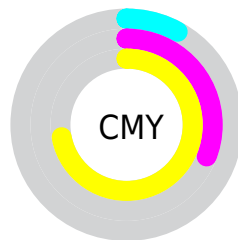


Cyan (0%)

Magenta (25%)

Yellow (69%)

Black (8%)



Cyan (8%)

Magenta (31%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the RYB color 165, 234, 72 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 165, 234, 72 by changing the saturation by 10% instead.



165, 234, 72



165, 234, 72

255, 255, 255



131, 204, 45



156, 255, 125



86, 174, 12



152, 255, 152



70, 145, 0



180, 255, 180



68, 117, 0



208, 255, 208



61, 88, 0



237, 255, 237



59, 61, 0



37, 12, 0



0, 0, 0



165, 234, 72



165, 234, 72

157, 234, 49

176, 234, 95

144, 234, 25

185, 234, 119

136, 234, 2

193, 234, 142

133, 234, 0

206, 234, 166

214, 234, 189

225, 234, 212

234, 235, 236

234, 240, 255

234, 244, 255

Harmonies

Analogous

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



255, 180, 103



165, 234, 72



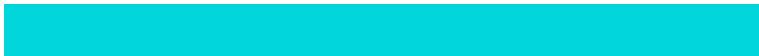
74, 193, 85

Triad

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



165, 234, 72



0, 108, 219



233, 156, 255

Complementary

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



165, 234, 72



72, 115, 234

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.



152, 173, 255



165, 234, 72



0, 115, 255

Square

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



165, 234, 72



0, 119, 211



0, 111, 255



255, 139, 208

Rectangle

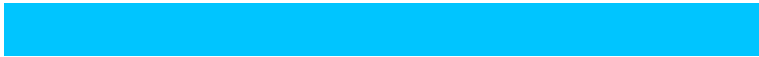
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



165, 234, 72



94, 202, 155



0, 111, 255



210, 164, 255

Sweetspot

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



165, 234, 72



233, 255, 201



234, 72, 131



115, 128, 96



0, 0, 0



128, 128, 128

Same Dimension

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



165, 234, 72



164, 255, 43



72, 234, 94



112, 117, 106



104, 181, 0



32, 54, 0

Inverse Universe

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



72, 115, 234



43, 100, 255



94, 72, 234



106, 109, 117



0, 48, 181



0, 15, 54

Previews

White Background



This preview shows how the RYB color 165, 234, 72 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 165, 234, 72 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 165, 234, 72 Background



This preview shows how black text looks on a background with the R Y B color 165, 234, 72.



This preview shows how white text looks on a background with the R Y B color 165, 234, 72.

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
165, 234, 72

Protanopia
100, 207, 75

Deuteranopia
156, 231, 72



Tritanopia
241, 164, 177

Trichromacy



Original Color

165, 234, 72

Protanomaly

120, 217, 74

Deuteranomaly

158, 232, 72

Tritanomaly

238, 180, 139

Monochromacy



Original Color

165, 234, 72

Achromatopsia

181, 181, 181

Achromatomaly

174, 200, 141

CSS Examples

Text

The CSS property to change the color of the text to RYB 165, 234, 72 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(234, 175, 72)` looks like.

```
.text, #text, p{  
    color:rgb(234, 175, 72)  
}
```

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(234, 175, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 175, 72) }
```

Border

The CSS property to change the border of an element to RYB 165, 234, 72 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(234, 175, 72) }
```

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

```
.border{ border-color:rgb(234, 175, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 175, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 175, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 175, 72);  
box-shadow:4px 4px 4px 4px rgb(234, 175,  
72) }
```

Background

The CSS property to change the background color of an element to RGB 165, 234, 72 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 175, 72) }
```

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

```
.background{ background-color: rgb(234,  
175, 72) }
```

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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