

Converting Colors

`RYB(135, 216, 90)`

Have a look what the booklet for
RYB(135, 216, 90) contains.

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Color

$\text{RYB}(135, 216, 90)$

Conversions

Conversions Part 1

Format	Color
Hex	D8B75A
RGB	216, 183, 90
RGB Percent	85%, 72%, 35%
CMY	0.1529, 0.2830, 0.6471
CMYK	0.00, 0.15, 0.58, 0.15
HSL	44°, 62%, 60%
HSV	44°, 58%, 85%
XYZ	47.0653, 49.1390, 16.6770
YIQ	182.2650, 49.5210, -21.9270

Conversions

Conversions Part 2

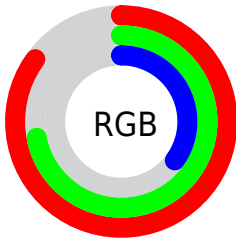
Format	Color
RYB	135, 216, 90
Decimal	14202714
CIELab	75.54, 1.01, 50.82
CIELCh	76, 50.826, 88.860
Yxy	49.1390, 0.4169, 0.4353
Android (android.graphics.Color)	4292392794 (0xFFD8B75A)
YUV	182.2650, -45.4866, 29.5856
Hunter-Lab	70.0992, -2.8269, 34.9640

Details

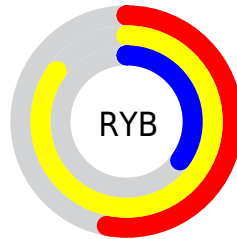
The RYB color **135, 216, 90** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **90, 116, 216**, and the grayscale version is **183, 183, 183**.

A 20% lighter version of the original color is **162, 255, 143**, and **75, 158, 38** is the 20% darker color. If you saturate the color by 10%, you get **121, 216, 68**, and if you desaturate by 10%, it is **148, 216, 112**.

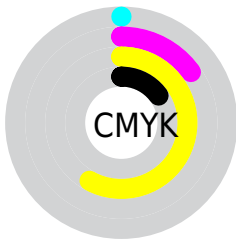
Distribution



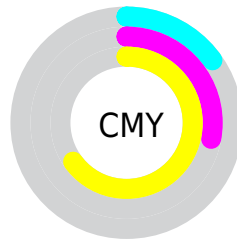
- Red (85%)
- Green (72%)
- Blue (35%)



- Red (53%)
- Yellow (85%)
- Blue (35%)



- Cyan (0%)
- Magenta (15%)
- Yellow (58%)
- Black (15%)




- Cyan (15%)
- Magenta (28%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the RYB color 135, 216, 90 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 135, 216, 90 by changing the saturation by 10% instead.

 135, 216, 90

 135, 216, 90

255, 255, 255

 105, 187, 64

 162, 255, 143

 75, 158, 38

 170, 255, 170


 37, 130, 6

 198, 255, 198

 28, 103, 0

 226, 255, 226

 23, 77, 0

 18, 50, 0

 14, 26, 0

 0, 0, 0

 135, 216, 90

 135, 216, 90

121, 216, 68

148, 216, 112

108, 216, 47

163, 216, 133

93, 216, 25

177, 216, 155

80, 216, 4

189, 216, 176

77, 216, 0

205, 216, 198

216, 217, 220

216, 221, 241

216, 225, 255

216, 228, 255

Harmonies

Analogous

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



253, 206, 107



135, 216, 90



101, 197, 129

Triad

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



135, 216, 90



0, 109, 230



243, 157, 235

Complementary

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



135, 216, 90



90, 116, 216

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.



187, 175, 255



135, 216, 90



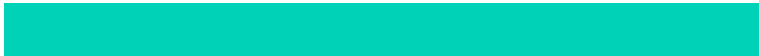
0, 113, 255

Square

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



135, 216, 90



0, 112, 210



101, 158, 255



255, 147, 190

Rectangle

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



135, 216, 90



122, 203, 194



101, 158, 255



227, 163, 248

Sweetspot

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



135, 216, 90



225, 255, 209



216, 90, 124



110, 128, 99



0, 0, 0



128, 128, 128

Same Dimension

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



135, 216, 90



141, 255, 77



90, 216, 119



100, 107, 96



61, 171, 0



15, 43, 0

Inverse Universe

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



90, 116, 216



77, 114, 255



119, 90, 216



96, 98, 107



0, 36, 171



0, 9, 43

Previews

White Background



This preview shows how the RYB color 135, 216, 90 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 135, 216, 90 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 135, 216, 90 Background



This preview shows how black text looks on a background with the R Y B color 135, 216, 90.

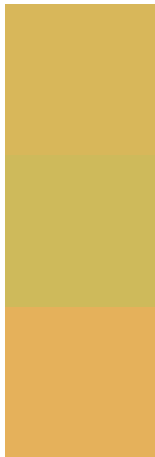


This preview shows how white text looks on a background with the R Y B color 135, 216, 90.

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
135, 216, 90

Protanopia
115, 206, 91

Deuteranopia
174, 229, 91



Tritanopia
224, 172, 186

Trichromacy



Original Color
135, 216, 90

Protanomaly
123, 210, 91

Deuteranomaly
159, 224, 91

Tritanomaly
221, 190, 151

Monochromacy



Original Color
135, 216, 90

Achromatopsia
182, 182, 182

Achromatomaly
165, 194, 149

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 216, 90 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(216, 183, 90)` looks like.

```
.text, #text, p{  
    color:rgb(216, 183, 90)  
}
```

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(216, 183, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 183, 90) }
```

Border

The CSS property to change the border of an element to RYB 135, 216, 90 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(216, 183, 90) }
```

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

```
.border{ border-color:rgb(216, 183, 90) }
```

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

Here you see how a box with a 4 pixel rgb(216, 183, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 183, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 183, 90);  
box-shadow:4px 4px 4px 4px rgb(216, 183,  
90) }
```

Background

The CSS property to change the background color of an element to RGB 135, 216, 90 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 183, 90) }
```

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

```
.background{ background-color: rgb(216,  
183, 90) }
```

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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