

Converting Colors

`RYB(75, 219, 17)`

Have a look what the booklet for
RYB(75, 219, 17) contains.

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Color

RYB(75, 219, 17)

Conversions

Conversions Part 1

Format	Color
Hex	DBAE11
RGB	219, 174, 17
RGB Percent	86%, 68%, 7%
CMY	0.1412, 0.3179, 0.9333
CMYK	0.00, 0.21, 0.92, 0.14
HSL	47°, 86%, 46%
HSV	47°, 92%, 86%
XYZ	44.4388, 45.3489, 6.9413
YIQ	169.5570, 77.2170, -39.2870

Conversions

Conversions Part 2

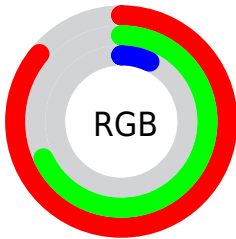
Format	Color
RYB	75, 219, 17
Decimal	14396945
CIELab	73.12, 3.93, 73.76
CIELCh	73, 73.866, 86.951
Yxy	45.3489, 0.4594, 0.4688
Android (android.graphics.Color)	4292587025 (0xFFDBAE11)
YUV	169.5570, -75.2106, 43.3615
Hunter-Lab	67.3416, -0.0554, 41.0277

Details

The RYB color **75, 219, 17** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **17, 54, 219**, and the grayscale version is **170, 170, 170**.

A 20% lighter version of the original color is **116, 255, 85**, and **48, 159, 0** is the 20% darker color. If you saturate the color by 10%, you get **63, 219, 0**, and if you desaturate by 10%, it is **90, 219, 39**.

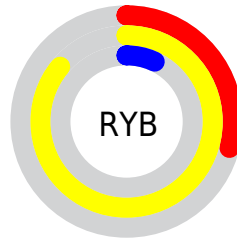
Distribution



Red (86%)

Green (68%)

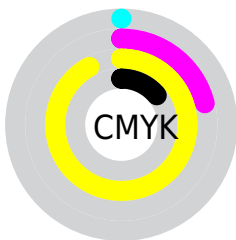
Blue (7%)



Red (29%)

Yellow (86%)

Blue (7%)

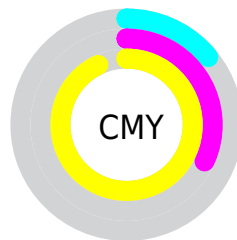


Cyan (0%)

Magenta (21%)

Yellow (92%)

Black (14%)



Cyan (14%)

Magenta (32%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the RYB color 75, 219, 17 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 75, 219, 17 by changing the saturation by 10% instead.

 75, 219, 17  75, 219, 17

255, 255, 255  52, 189, 0

 116, 255, 85  48, 159, 0

 113, 255, 113  44, 130, 0


 141, 255, 141  37, 101, 0

 170, 255, 170  31, 74, 0

 198, 255, 198  26, 48, 0

 228, 255, 228  23, 12, 0

 0, 0, 0

 75, 219, 17  75, 219, 17

63, 219, 0

90, 219, 39

106, 219, 61

121, 219, 83

139, 219, 105

153, 219, 126

169, 219, 148

184, 219, 170

200, 219, 192

215, 219, 214

Harmonies

Analogous

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



255, 211, 64



75, 219, 17



42, 194, 83

Triad

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



75, 219, 17



0, 112, 239



254, 134, 254

Complementary

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



75, 219, 17



17, 54, 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.



166, 165, 255



75, 219, 17



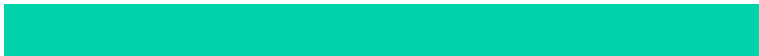
0, 114, 255

Square

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



75, 219, 17



0, 117, 211



0, 109, 255



255, 113, 189

Rectangle

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



75, 219, 17



80, 202, 187



0, 109, 255



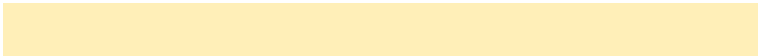
231, 144, 255

Sweetspot

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



75, 219, 17



205, 255, 184



219, 17, 64



97, 128, 84



0, 0, 0



128, 128, 128

Same Dimension

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



75, 219, 17



73, 255, 0



17, 219, 71



103, 110, 99



49, 173, 0



13, 46, 0

Inverse Universe

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



17, 54, 219



0, 47, 255



71, 17, 219



99, 101, 110



0, 32, 173



0, 8, 46

Previews

White Background



This preview shows how the RYB color 75, 219, 17 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 75, 219, 17 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 75, 219, 17 Background



This preview shows how black text looks on a background with the RYB color 75, 219, 17.



This preview shows how white text looks on a background with the RYB color 75, 219, 17.

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

75, 219, 17

Protanopia

46, 203, 20

Deuteranopia

100, 227, 21



Tritanopia
228, 162, 174

Trichromacy



Original Color

75, 219, 17

Protanomaly

56, 209, 19

Deuteranomaly

92, 224, 20

Tritanomaly

225, 207, 117

Monochromacy



Original Color

75, 219, 17

Achromatopsia

170, 170, 170

Achromatomaly

136, 188, 114

CSS Examples

Text

The CSS property to change the color of the text to RYB 75, 219, 17 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, 174, 17)` looks like.

```
.text, #text, p{  
    color:rgb(219, 174, 17)  
}
```

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, 174, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 174, 17) }
```

Border

The CSS property to change the border of an element to RYB 75, 219, 17 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, 174, 17) }
```

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

```
.border{ border-color:rgb(219, 174, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 174, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 174, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 174, 17);  
box-shadow:4px 4px 4px 4px rgb(219, 174,  
17) }
```

Background

The CSS property to change the background color of an element to RGB 75, 219, 17 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 174, 17) }
```

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

```
.background{ background-color: rgb(219,  
174, 17) }
```

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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