

Converting Colors

R_YB(95, 233, 63)

Have a look what the booklet for
RYB(95, 233, 63) contains.

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Color

RYB(95, 233, 63)

Conversions

Conversions Part 1

Format	Color
Hex	E9CE3F
RGB	233, 206, 63
RGB Percent	91%, 81%, 25%
CMY	0.0863, 0.1919, 0.7529
CMYK	0.00, 0.12, 0.73, 0.09
HSL	50°, 79%, 58%
HSV	50°, 73%, 91%
XYZ	56.5895, 61.8585, 13.6599
YIQ	197.7710, 61.9950, -38.7490

Conversions

Conversions Part 2

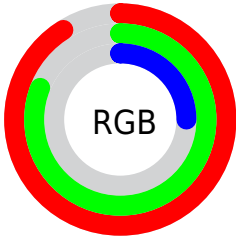
Format	Color
R _Y B	95, 233, 63
Decimal	15322687
CIE Lab	82.84, -5.39, 70.29
CIE LCh	83, 70.496, 94.389
Yxy	61.8585, 0.4284, 0.4682
Android (android.graphics.Color)	4293512767 (0xFFE9CE3F)
YUV	197.7710, -66.4421, 30.8958
Hunter-Lab	78.6502, -9.2056, 44.7577

Details

The RYB color **95, 233, 63** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **63, 86, 233**, and the grayscale version is **198, 198, 198**.

A 20% lighter version of the original color is **120, 255, 120**, and **24, 173, 0** is the 20% darker color. If you saturate the color by 10%, you get **77, 233, 40**, and if you desaturate by 10%, it is **113, 233, 86**.

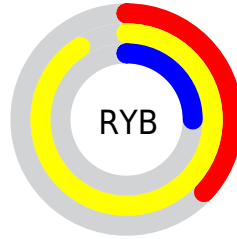
Distribution



Red (91%)

Green (81%)

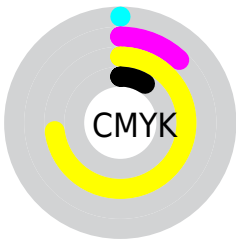
Blue (25%)



Red (37%)

Yellow (91%)

Blue (25%)

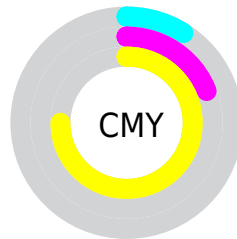


Cyan (0%)

Magenta (12%)

Yellow (73%)

Black (9%)



Cyan (9%)


















Magenta (19%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the RYB color 95, 233, 63 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 95, 233, 63 by changing the saturation by 10% instead.

 95, 233, 63	 95, 233, 63
 255, 255, 255	 58, 203, 30
 120, 255, 120	 24, 173, 0
 148, 255, 148	 19, 144, 0
 176, 255, 176	 16, 116, 0
 205, 255, 205	 11, 88, 0
 234, 255, 234	 5, 61, 0
	 1, 36, 0
	 0, 14, 12
	 0, 0, 0

■ 95, 233, 63

■ 95, 233, 63

■ 77, 233, 40

■ 113, 233, 86

■ 56, 233, 16

■ 134, 233, 110

■ 44, 233, 0

■ 152, 233, 133

■ 170, 233, 156

■ 189, 233, 180

■ 209, 233, 203

■ 227, 233, 226

■ 233, 236, 249

■ 233, 238, 255

Harmonies

Analogous

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



211, 255, 84



95, 233, 63



90, 224, 150

Triad

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



95, 233, 63



0, 123, 255



255, 158, 255

Complementary

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



95, 233, 63



63, 86, 233

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.



222, 185, 255



95, 233, 63



0, 120, 255

Square

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



95, 233, 63



0, 126, 239



81, 155, 255



255, 145, 199

Rectangle

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



95, 233, 63



104, 214, 232



81, 155, 255



255, 166, 255

Sweetspot

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



95, 233, 63



210, 255, 199



233, 63, 91



101, 128, 94



0, 0, 0



128, 128, 128

Same Dimension

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



95, 233, 63



74, 255, 31



63, 233, 120



108, 117, 106



35, 181, 0



11, 54, 0

Inverse Universe

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



63, 86, 233



31, 61, 255



120, 63, 233



106, 107, 117



0, 25, 181



0, 7, 54

Previews

White Background



This preview shows how the RYB color 95, 233, 63 looks on a white background.

Color Contrast Check

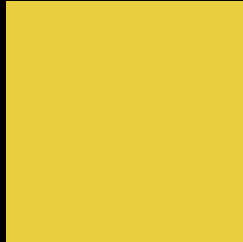
Large Text (above 18pt) WCAG AA × Fail

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 95, 233, 63 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 95, 233, 63 Background



This preview shows how black text looks on a background with the RYB color 95, 233, 63.



This preview shows how white text looks on a background with the RYB color 95, 233, 63.

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


95, 233, 63

Protanopia

91, 231, 63

Deuteranopia

174, 255, 86



Tritanopia
244, 192, 207

Trichromacy



Original Color
95, 233, 63

Protanomaly
92, 232, 63

Deuteranomaly
143, 247, 78

Tritanomaly
240, 238, 155

Monochromacy



Original Color
95, 233, 63

Achromatopsia
198, 198, 198

Achromatomaly
161, 211, 149

CSS Examples

Text

The CSS property to change the color of the text to RYB 95, 233, 63 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(233, 206, 63)` looks like.

```
.text, #text, p{  
    color:rgb(233, 206, 63)  
}
```

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(233, 206, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 206, 63) }
```

Border

The CSS property to change the border of an element to RYB 95, 233, 63 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(233, 206, 63) }
```

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

```
.border{ border-color:rgb(233, 206, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 206, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 206, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 206, 63);  
box-shadow:4px 4px 4px 4px rgb(233, 206,  
63) }
```

Background

The CSS property to change the background color of an element to RYB 95, 233, 63 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 206, 63) }
```

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

```
.background{ background-color: rgb(233,  
206, 63) }
```

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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