

Converting Colors

`RYB(185, 232, 0)`

Have a look what the booklet for
RYB(185, 232, 0) contains.

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Color

RYB(185, 232, 0)

Conversions

Conversions Part 1

Format	Color
Hex	E88100
RGB	232, 129, 0
RGB Percent	91%, 51%, 0%
CMY	0.0902, 0.4938, 1.0000
CMYK	0.00, 0.44, 1.00, 0.09
HSL	33°, 100%, 45%
HSV	33°, 100%, 91%
XYZ	41.1388, 32.8759, 4.1774
YIQ	145.0910, 102.7970, -18.2830

Conversions

Conversions Part 2

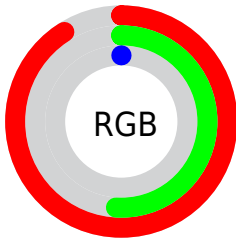
Format	Color
RYB	185, 232, 0
Decimal	15237376
CIELab	64.06, 33.13, 70.58
CIELCh	64, 77.969, 64.855
Yxy	32.8759, 0.5261, 0.4205
Android (android.graphics.Color)	4293427456 (0xFFE88100)
YUV	145.0910, -71.5299, 76.2192
Hunter-Lab	57.3375, 27.7303, 35.8166

Details

The RYB color **185, 232, 0** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **0, 71, 232**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **189, 255, 71**, and **169, 145, 0** is the 20% darker color. If you saturate the color by 10%, you get **185, 232, 0**, and if you desaturate by 10%, it is **191, 232, 23**.

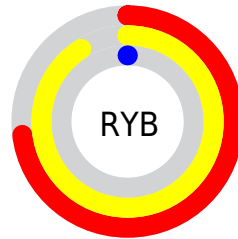
Distribution



Red (91%)

Green (51%)

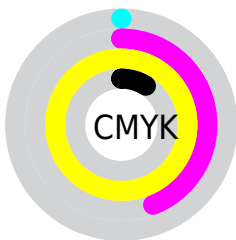
Blue (0%)



Red (73%)

Yellow (91%)

Blue (0%)

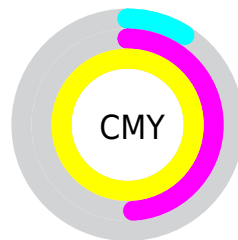


Cyan (0%)

Magenta (44%)

Yellow (100%)

Black (9%)



Cyan (9%)


















Magenta (49%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the RYB color 185, 232, 0 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 185, 232, 0 by changing the saturation by 10% instead.


 185, 232, 0	 185, 232, 0
255, 255, 255	 188, 200, 0
 189, 255, 71	 169, 145, 0
 160, 255, 99	 139, 88, 0
 144, 255, 126	 109, 41, 0
 154, 255, 154	 80, 3, 0
 182, 255, 182	 53, 0, 0
 211, 255, 211	 18, 0, 0
 240, 255, 240	 0, 0, 0

 185, 232, 0

 191, 232, 23

 193, 232, 46

 200, 232, 70

 205, 232, 93

 207, 232, 116

 212, 232, 139

 218, 232, 162

 225, 232, 186

 227, 232, 209

Harmonies

Analogous

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



255, 98, 80



185, 232, 0



23, 176, 0

Triad

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



185, 232, 0



0, 99, 186



168, 131, 255

Complementary

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



185, 232, 0



0, 71, 232

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.



0, 98, 255



185, 232, 0



0, 103, 233

Square

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



185, 232, 0



0, 122, 183



0, 105, 255



246, 96, 216

Rectangle

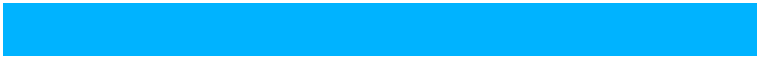
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



185, 232, 0



0, 168, 38



0, 105, 255



125, 140, 255

Sweetspot

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



185, 232, 0



241, 255, 179



232, 0, 104



121, 128, 82



0, 0, 0



128, 128, 128

Same Dimension

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



185, 232, 0



203, 255, 0



0, 232, 12



112, 115, 103



145, 179, 0



42, 51, 0

Inverse Universe

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



0, 71, 232



0, 78, 255



12, 0, 232



103, 107, 115



0, 55, 179



0, 16, 51

Previews

White Background



This preview shows how the RYB color 185, 232, 0 looks on a white background.

Color Contrast Check

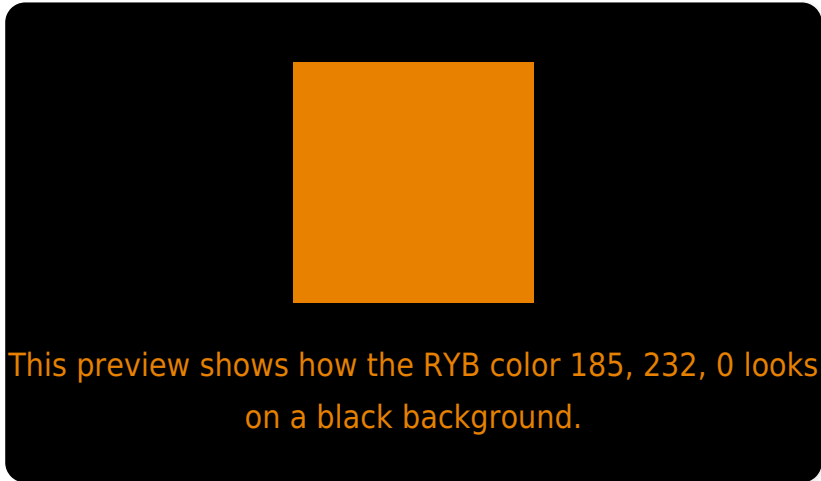
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 185, 232, 0 Background



This preview shows how black text looks on a background with the R Y B color 185, 232, 0.



This preview shows how white text looks on a background with the R Y B color 185, 232, 0.

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
185, 232, 0

Protanopia
42, 176, 19

Deuteranopia
65, 197, 0



Tritanopia
236, 120, 129

Trichromacy



Original Color

185, 232, 0

Protanomaly

81, 196, 12

Deuteranomaly

103, 210, 0

Tritanomaly

235, 138, 82

Monochromacy



Original Color

185, 232, 0

Achromatopsia

145, 145, 145

Achromatomaly

161, 177, 92

CSS Examples

Text

The CSS property to change the color of the text to RYB 185, 232, 0 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(232, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 129, 0)  
}
```

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(232, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 129, 0) }
```

Border

The CSS property to change the border of an element to RYB 185, 232, 0 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(232, 129, 0) }
```

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

```
.border{ border-color:rgb(232, 129, 0) }
```

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

Here you see how a box with a 4 pixel rgb(232, 129, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 129,  
0) }
```

Background

The CSS property to change the background color of an element to RGB 232, 129, 0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 129, 0) }
```

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

```
.background{ background-color: rgb(232,  
129, 0) }
```

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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