

Converting Colors

`RYB(232, 149, 7)`

Have a look what the booklet for
RYB(232, 149, 7) contains.

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Color

RYB(232, 149, 7)

Conversions

Conversions Part 1

Format	Color
Hex	E85E07
RGB	232, 94, 7
RGB Percent	91%, 37%, 3%
CMY	0.0902, 0.6311, 0.9725
CMYK	0.00, 0.59, 0.97, 0.09
HSL	23°, 94%, 47%
HSV	23°, 97%, 91%
XYZ	37.3249, 25.1867, 3.0953
YIQ	125.3440, 110.1750, 2.1990

Conversions

Conversions Part 2

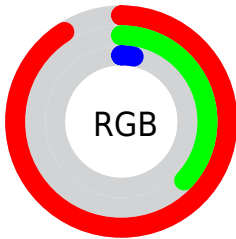
Format	Color
RYB	232, 149, 7
Decimal	15228423
CIELab	57.26, 50.39, 65.27
CIElCh	57, 82.452, 52.332
Yxy	25.1867, 0.5689, 0.3839
Android (android.graphics.Color)	4293418503 (0xFFE85E07)
YUV	125.3440, -58.3436, 93.5373
Hunter-Lab	50.1864, 44.9287, 31.4737

Details

The RYB color **232, 149, 7** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **7, 93, 232**, and the grayscale version is **126, 126, 126**.

A 20% lighter version of the original color is **255, 208, 68**, and **168, 49, 0** is the 20% darker color. If you saturate the color by 10%, you get **232, 147, 0**, and if you desaturate by 10%, it is **232, 157, 30**.

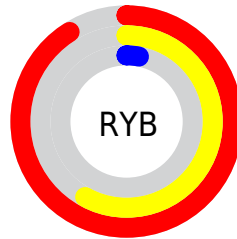
Distribution



Red (91%)

Green (37%)

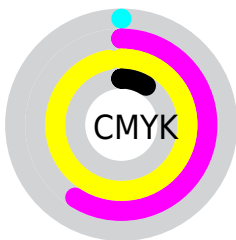
Blue (3%)



Red (91%)

Yellow (58%)

Blue (3%)

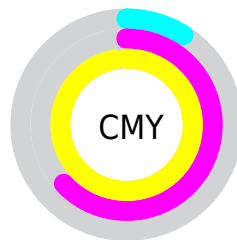


Cyan (0%)

Magenta (59%)

Yellow (97%)

Black (9%)



Cyan (9%)



















Magenta (63%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the RYB color 232, 149, 7 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 232, 149, 7 by changing the saturation by 10% instead.

 232, 149, 7	 232, 149, 7
255, 255, 255	 200, 101, 0
 255, 208, 68	 168, 51, 0
 251, 255, 95	 136, 0, 0
 201, 255, 121	 106, 0, 0
 176, 255, 148	 76, 0, 0
 176, 255, 176	 49, 0, 2
 204, 255, 204	 0, 0, 0
 233, 255, 233	
 232, 149, 7	 232, 149, 7

■ 232, 147, 0

■ 232, 157, 30

■ 232, 168, 53

■ 232, 175, 77

■ 232, 183, 100

■ 232, 191, 123

■ 232, 200, 146

■ 232, 210, 169

■ 232, 217, 193

■ 232, 226, 216

Harmonies

Analogous

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



255, 51, 88



232, 149, 7



77, 182, 0

Triad

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



232, 149, 7



0, 99, 167



79, 117, 255

Complementary

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



232, 149, 7



7, 93, 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, 95, 255



232, 149, 7



0, 89, 190

Square

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



232, 149, 7



0, 132, 162



0, 100, 251



204, 87, 227

Rectangle

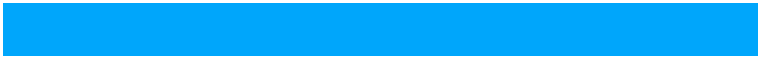
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



232, 149, 7



0, 144, 5



0, 100, 251



0, 89, 255

Sweetspot

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



232, 149, 7



255, 229, 181



232, 7, 146



128, 110, 83



0, 0, 0



128, 128, 128

Same Dimension

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



232, 149, 7



255, 162, 0



36, 232, 7



115, 112, 103



179, 112, 0



51, 33, 0

Inverse Universe

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



7, 93, 232



0, 97, 255



7, 30, 232



103, 107, 115



0, 68, 179



0, 19, 51

Previews

White Background



This preview shows how the RYB color 232, 149, 7 looks on a white background.

Color Contrast Check

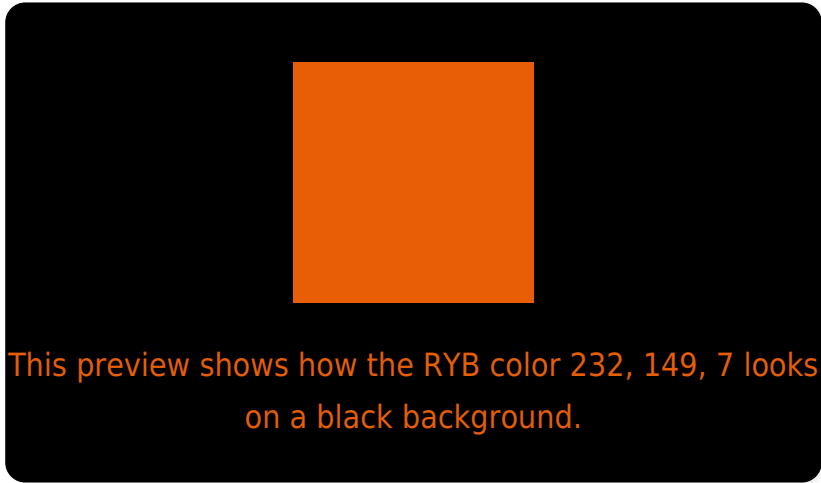
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 232, 149, 7 Background



This preview shows how black text looks on a background with the R Y B color 232, 149, 7.



This preview shows how white text looks on a background with the R Y B color 232, 149, 7.

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

232, 149, 7

Protanopia

44, 155, 24

Deuteranopia

57, 174, 0



Tritanopia
234, 88, 93

Trichromacy



Original Color

232, 149, 7

Protanomaly

115, 183, 18

Deuteranomaly

132, 195, 3

Tritanomaly

233, 95, 62

Monochromacy



Original Color

232, 149, 7

Achromatopsia

125, 125, 125

Achromatomaly

164, 134, 82

CSS Examples

Text

The CSS property to change the color of the text to RYB 232, 149, 7 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, 94, 7)` looks like.

```
.text, #text, p{  
    color:rgb(232, 94, 7)  
}
```

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, 94, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 94, 7) }
```

Border

The CSS property to change the border of an element to RYB 232, 149, 7 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, 94, 7) }
```

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

```
.border{ border-color:rgb(232, 94, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 94, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 94, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 94, 7);  
box-shadow:4px 4px 4px 4px rgb(232, 94, 7)  
}
```

Background

The CSS property to change the background color of an element to RGB 232, 149, 7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 94, 7) }
```

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

```
.background{ background-color: rgb(232, 94,  
7) }
```

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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