

Converting Colors

`RYB(245, 150, 0)`

Have a look what the booklet for
RYB(245, 150, 0) contains.

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Color

RYB(245, 150, 0)

Conversions

Conversions Part 1

Format	Color
Hex	F55D00
RGB	245, 93, 0
RGB Percent	96%, 36%, 0%
CMY	0.0392, 0.6351, 1.0000
CMYK	0.00, 0.62, 1.00, 0.04
HSL	23°, 100%, 48%
HSV	23°, 100%, 96%
XYZ	41.5739, 27.2478, 3.0682
YIQ	127.8460, 120.4450, 3.3010

Conversions

Conversions Part 2

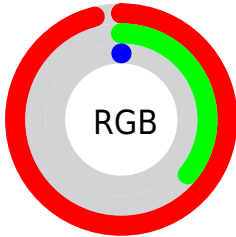
Format	Color
R_{YB}	245, 150, 0
Decimal	16080128
CIE _{Lab}	59.20, 55.39, 68.80
CIE _{LCh}	59, 88.329, 51.160
Yxy	27.2478, 0.5783, 0.3790
Android (android.graphics.Color)	4294270208 (0xFFFF55D00)
YUV	127.8460, -63.0281, 102.7441
Hunter-Lab	52.1995, 50.8159, 33.0547

Details

The RYB color **245, 150, 0** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **0, 94, 245**, and the grayscale version is **128, 128, 128**.

A 20% lighter version of the original color is **255, 211, 66**, and **180, 42, 0** is the 20% darker color. If you saturate the color by 10%, you get **245, 150, 0**, and if you desaturate by 10%, it is **245, 160, 24**.

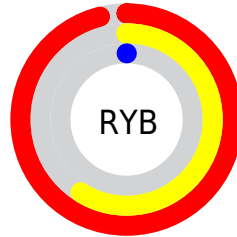
Distribution



Red (96%)

Green (36%)

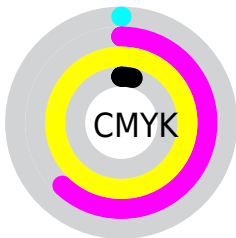
Blue (0%)



Red (96%)

Yellow (59%)

Blue (0%)

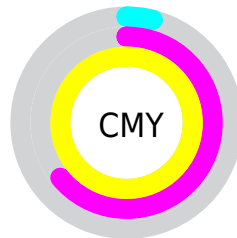


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (4%)



Cyan (4%)


















Magenta (64%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the RYB color 245, 150, 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 245, 150, 0 by changing the saturation by 10% instead.


 245, 150, 0	 245, 150, 0
255, 255, 255	 212, 94, 0
 255, 211, 66	 180, 42, 0
 247, 255, 93	 148, 0, 0
 199, 255, 120	 116, 0, 0
 173, 255, 147	 86, 0, 0
 174, 255, 174	 59, 0, 2
 203, 255, 203	 20, 0, 0
 231, 255, 231	 0, 0, 0

 245, 150, 0

 245, 160, 24

 245, 168, 49

 245, 179, 74

 245, 188, 98

 245, 197, 123

 245, 206, 147

 245, 216, 171

 245, 227, 196

 245, 235, 221

Harmonies

Analogous

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



255, 40, 92



245, 150, 0



89, 192, 0

Triad

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



245, 150, 0



0, 104, 174



61, 113, 255

Complementary

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



245, 150, 0



0, 94, 245

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



245, 150, 0



0, 93, 197

Square

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



245, 150, 0



0, 145, 168



0, 103, 255



210, 89, 241

Rectangle

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



245, 150, 0



0, 148, 2



0, 103, 255



0, 92, 255

Sweetspot

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



245, 150, 0



255, 226, 179



245, 0, 155



128, 109, 82



0, 0, 0



128, 128, 128

Same Dimension

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



245, 150, 0



255, 157, 0



38, 245, 0



122, 119, 110



186, 115, 0



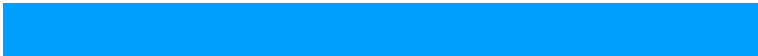
59, 35, 0

Inverse Universe

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



0, 94, 245



0, 98, 255



0, 29, 245



110, 115, 122



0, 71, 186



0, 22, 59

Previews

White Background



This preview shows how the RYB color 245, 150, 0 looks on a white background.

Color Contrast Check

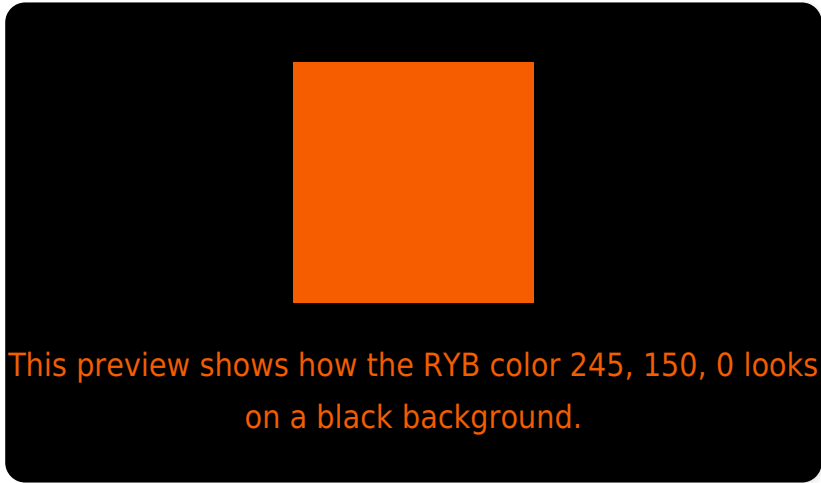
Large Text (above 18pt) WCAG AA ✓ Pass

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 245, 150, 0 Background



This preview shows how black text looks on a background with the R Y B color 245, 150, 0.



This preview shows how white text looks on a background with the R Y B color 245, 150, 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
245, 150, 0

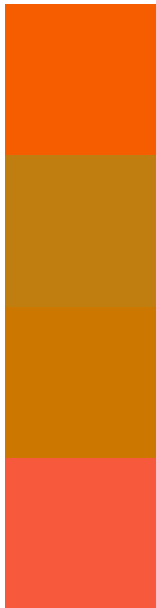
Protanopia
46, 161, 25

Deuteranopia
58, 180, 0



Tritanopia
247, 87, 92

Trichromacy



Original Color

245, 150, 0

Protanomaly

124, 192, 16

Deuteranomaly

143, 204, 0

Tritanomaly

246, 95, 59

Monochromacy



Original Color

245, 150, 0

Achromatopsia

128, 128, 128

Achromatomaly

171, 136, 81

CSS Examples

Text

The CSS property to change the color of the text to RYB 245, 150, 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(245, 93, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 93, 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(245, 93, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 93, 0) }
```

Border

The CSS property to change the border of an element to RYB 245, 150, 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(245, 93, 0) }
```

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

```
.border{ border-color:rgb(245, 93, 0) }
```

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

Here you see how a box with a 4 pixel rgb(245, 93, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 93, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 93, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 93, 0)  
}
```

Background

The CSS property to change the background color of an element to RYB 245, 150, 0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 93, 0) }
```

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

```
.background{ background-color: rgb(245, 93,  
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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