Converting Colors

RYB(127, 50, 48)

Have a look what the booklet for RYB(127, 50, 48) contains.

RYB(127, 50, 48) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 11
- ***Previews*** 23
- ***Color Blindness Simulation*** 26
- ***CSS Examples*** 29

Color

RYB(127, 50, 48)

Conversions

Conversions Part 1

Format	Color
Hex	7F3230
RGB	127, 50, 48
RGB Percent	50%, 20%, 19%
CMY	0.5020, 0.8041, 0.8118
CMYK	0.00, 0.61, 0.62, 0.50
HSL	1°, 45%, 34%
HSV	1°, 62%, 50%
XYZ	10.4244, 7.0024, 3.5985
YIQ	72.7950, 46.5340, 15.7020

Conversions

Conversions Part 2

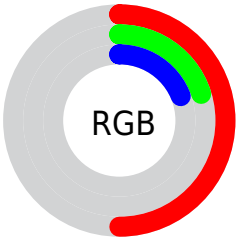
Format	Color
RYB	127, 50, 48
Decimal	8335920
CIELab	31.81, 33.25, 18.25
CIELCh	32, 37.929, 28.766
Yxy	7.0024, 0.4958, 0.3330
Android (android.graphics.Color)	4286526000 (0xFF7F3230)
YUV	72.7950, -12.2239, 47.5378
Hunter-Lab	26.4621, 24.0091, 10.4608

Details

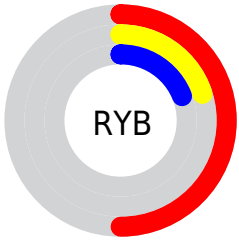
The RYB color 127, 50, 48 is a dark color, and the websafe version is hex 993333. A complement of this color would be 48, 87, 127, and the grayscale version is 73, 73, 73.

A 20% lighter version of the original color is 184, 100, 94, and 73, 0, 1 is the 20% darker color. If you saturate the color by 10%, you get 127, 38, 35, and if you desaturate by 10%, it is 127, 62, 61.

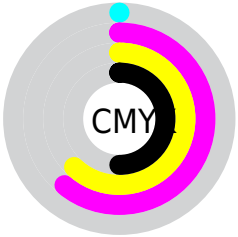
Distribution



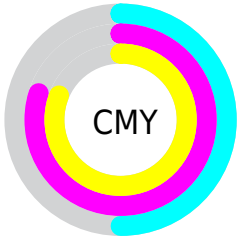
- Red (50%)
- Green (20%)
- Blue (19%)



- Red (50%)
- Yellow (20%)
- Blue (19%)



- Cyan (0%)
- Magenta (61%)
- Yellow (62%)
- Black (50%)



- Cyan (50%)
- Magenta (80%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the RYB color 127, 50, 48 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 127, 50, 48 by changing the saturation by 10% instead.

127, 50, 48	127, 50, 48
255, 255, 255	99, 25, 27
184, 99, 94	73, 0, 1
213, 125, 119	48, 0, 1
243, 153, 144	0, 0, 0
255, 180, 171	
255, 209, 198	
255, 239, 226	

127, 50, 48	127, 50, 48
127, 38, 35	127, 62, 61

127, 25, 23

127, 13, 10

127, 3, 0

127, 75, 73

127, 87, 86

127, 99, 99

127, 112, 112

127, 124, 124

127, 132, 137

127, 138, 150

127, 144, 162

Harmonies

Analogous

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

127, 46, 77

127, 50, 48

114, 88, 23

Triad

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

127, 50, 48

15, 66, 86

0, 50, 134

Complementary

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

127, 50, 48

48, 87, 127

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, 51, 125

127, 50, 48

0, 49, 89

Square

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

127, 50, 48

17, 81, 36

0, 48, 103

72, 67, 127

Rectangle

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

127, 50, 48

55, 99, 10

0, 48, 103

0, 50, 133

Sweetspot

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

127, 50, 48

166, 135, 134

127, 48, 126

84, 65, 65

212, 212, 212

84, 84, 84

Same Dimension

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

127, 50, 48

166, 45, 41

121, 127, 48

64, 58, 57

128, 3, 0

0, 0, 0

Inverse Universe

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

48, 87, 127

41, 103, 166

48, 74, 127

57, 61, 64

0, 63, 128

0, 0, 0

Previews

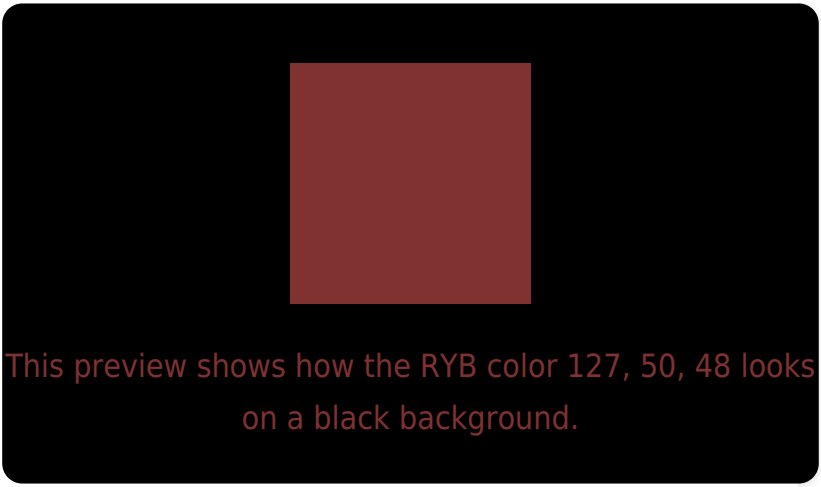
White Background

This preview shows how the RYB color 127, 50, 48 looks on a white 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

Black Background

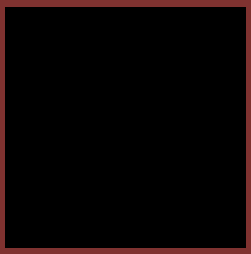


Color Contrast Check

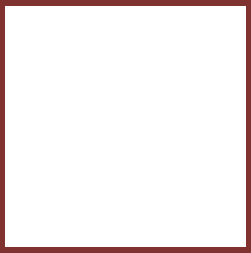
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 127, 50, 48 Background



This preview shows how black text looks on a background with the RYB color 127, 50, 48.



This preview shows how white text looks on a background with the RYB color 127, 50, 48.

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
127, 50, 48

Protanopia
65, 81, 59

Deuteranopia
78, 92, 44

Tritanopia
127, 49, 52

Trichromacy

Original Color
127, 50, 48

Protanomaly
98, 72, 55

Deuteranomaly
105, 73, 45

Tritanomaly
127, 49, 51

Monochromacy

Original Color
127, 50, 48

Achromatopsia
73, 73, 73

Achromatomaly
93, 65, 64

CSS Examples

Text

The CSS property to change the color of the text to RYB 127, 50, 48 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(127, 50, 48) looks like.

```
.text, #text, p{
    color:rgb(127, 50, 48)
}
```

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(127, 50, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 50, 48) }
```

Border

The CSS property to change the border of an element to RYB 127, 50, 48 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(127, 50, 48) }
```

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

```
.border{ border-color:rgb(127, 50, 48) }
```

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

Here you see how a box with a 4 pixel rgb(127, 50, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 50, 48); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 50, 48); box-shadow:4px 4px 4px 4px rgb(127, 50, 48) }
```

Background

The CSS property to change the background color of an element to RYB 127, 50, 48 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(127, 50, 48) }
```

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

```
.background{ background-color:rgb(127, 50,
48) }
```

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.

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

Learn more, Memberships starting at $2.50/m!

Follow me on Twitter!

@ConvertingColor