Converting Colors

RYB(49, 22, 38)

Have a look what the booklet for RYB(49, 22, 38) contains.

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Color

RYB(49, 22, 38)

Conversions

Format	Color
Hex	311626
RGB	49, 22, 38
RGB Percent	19%, 9%, 15%
CMY	0.8078, 0.9137, 0.8510
CMYK	0.00, 0.55, 0.22, 0.81
HSL	324°, 38%, 14%
HSV	324°, 55%, 19%
XYZ	1.9034, 1.3667, 1.9972
YIQ	31.8970, 10.9560, 10.7000

Conversions Part 1

Conversions

Conversions Part 2

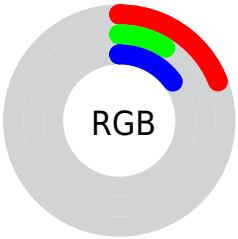
Format	Color
RYB	49, 22, 38
Decimal	3216934
CIELab	11.73, 16.23, -4.93
CIELCh	12, 16.966, 343.116
Yxy	1.3667, 0.3614, 0.2595
Android (android.graphics.Color)	4281407014 (0xFF311626)
YUV	31.8970, 3.0088, 14.9993
Hunter-Lab	11.6907, 8.6031, -1.9454

Details

The RYB color 49, 22, 38 is a dark color, and the websafe version is hex 330000. A complement of this color would be 22, 41, 49, and the grayscale version is 32, 32, 32.

A 20% lighter version of the original color is 96, 66, 83, and 0, 0, 0 is the 20% darker color. If you saturate the color by 10%, you get 49, 17, 36, and if you desaturate by 10%, it is 49, 27, 40.

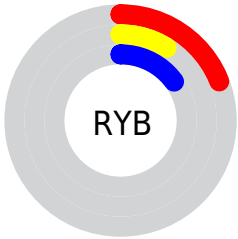
Distribution



Red (19%)

Green (9%)

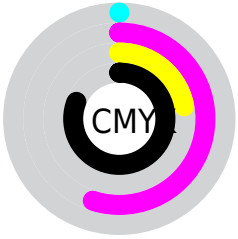
Blue (15%)



Red (19%)

Yellow (9%)

Blue (15%)

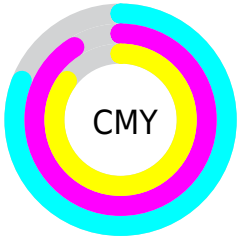


Cyan (0%)

Magenta (55%)

Yellow (22%)

Black (81%)



Cyan (81%)

Magenta (91%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the RYB color 49, 22, 38 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 49, 22, 38 by changing the saturation by 10% instead.

49, 22, 38	49, 22, 38
255, 250, 255	30, 0, 17
96, 66, 83	0, 0, 0
121, 89, 107	
147, 114, 132	
174, 140, 158	
202, 166, 185	
230, 193, 213	
255, 221, 241	

49, 22, 38	49, 22, 38

49, 17, 36

49, 12, 34

49, 7, 32

49, 2, 30

49, 0, 29

49, 27, 40

49, 32, 42

49, 37, 44

49, 42, 46

49, 47, 48

49, 50, 51

49, 54, 56

49, 57, 61

49, 61, 66

Harmonies

Analogous

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

38, 26, 48

49, 22, 38

53, 21, 26

Triad

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

49, 22, 38

4, 34, 2

0, 20, 47

Complementary

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

49, 22, 38

22, 41, 49

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, 19, 37

49, 22, 38

12, 35, 26

Square

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

49, 22, 38

29, 44, 3

3, 23, 36

0, 21, 53

Rectangle

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

49, 22, 38

52, 24, 19

3, 23, 36

0, 20, 43

Sweetspot

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

49, 22, 38

64, 53, 59

33, 22, 49

33, 27, 30

161, 161, 161

33, 33, 33

Same Dimension

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

49, 22, 38

64, 22, 47

49, 22, 25

26, 23, 24

89, 0, 53

217, 0, 128

Inverse Universe

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

49, 22, 38

64, 22, 47

22, 36, 49

26, 23, 24

89, 0, 53

217, 0, 128

Previews

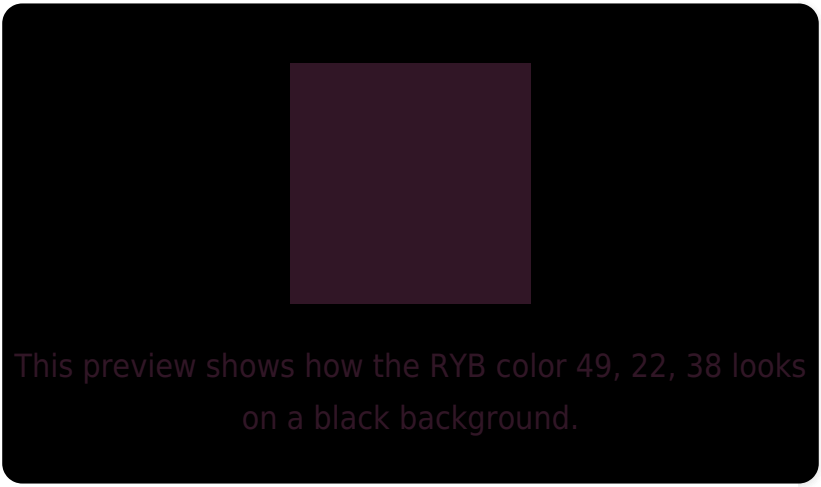
White Background

This preview shows how the RYB color 49, 22, 38 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

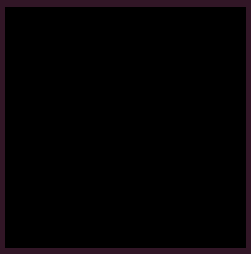


Color Contrast Check

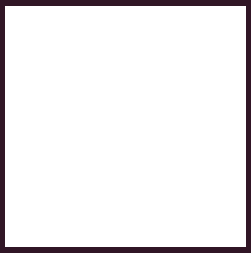
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

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

RYB 49, 22, 38 Background



This preview shows how black text looks on a background with the RYB color 49, 22, 38.



This preview shows how white text looks on a background with the RYB color 49, 22, 38.

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
49, 22, 38

Protanopia
28, 31, 45

Deuteranopia
32, 31, 37

Tritanopia
48, 25, 26

Trichromacy

Original Color
49, 22, 38

Protanomaly
36, 28, 42

Deuteranomaly
38, 28, 37

Tritanomaly
48, 24, 30

Monochromacy

Original Color
49, 22, 38

Achromatopsia
32, 32, 32

Achromatomaly
38, 28, 34

CSS Examples

Text

The CSS property to change the color of the text to RYB 49, 22, 38 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(49, 22, 38) looks like.

```
.text, #text, p{
    color:rgb(49, 22, 38)
}
```

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(49, 22, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 22, 38) }
```

Border

The CSS property to change the border of an element to RYB 49, 22, 38 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(49, 22, 38) }
```

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

```
.border{ border-color:rgb(49, 22, 38) }
```

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

Here you see how a box with a 4 pixel rgb(49, 22, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(49, 22, 38); -webkit-box-shadow:4px 4px 4px 4px rgb(49, 22, 38); box-shadow:4px 4px 4px 4px rgb(49, 22, 38) }
```

Background

The CSS property to change the background color of an element to RYB 49, 22, 38 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(49, 22, 38) }
```

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

```
.background{ background-color:rgb(49, 22,
38) }
```

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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