

Converting Colors

`RYB(249, 219, 57)`

Have a look what the booklet for
RYB(249, 219, 57) contains.

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Color

`RYB(249, 219, 57)`

Conversions

Conversions Part 1

Format	Color
Hex	F99139
RGB	249, 145, 57
RGB Percent	98%, 57%, 22%
CMY	0.0235, 0.4319, 0.7765
CMYK	0.00, 0.42, 0.77, 0.02
HSL	27°, 94%, 60%
HSV	27°, 77%, 98%
XYZ	49.9101, 40.6445, 9.0855
YIQ	166.0640, 90.2320, -5.3200

Conversions

Conversions Part 2

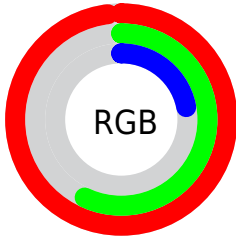
Format	Color
R_{YB}	249, 219, 57
Decimal	16355641
CIE Lab	69.93, 33.01, 60.75
CIE LCh	70, 69.143, 61.479
Yxy	40.6445, 0.5009, 0.4079
Android (android.graphics.Color)	4294545721 (0xFFFF99139)
YUV	166.0640, -53.7686, 72.7349
Hunter-Lab	63.7531, 28.1738, 36.1777

Details

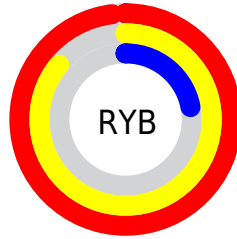
The RYB color **249, 219, 57** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **57, 124, 249**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **199, 255, 110**, and **187, 185, 0** is the 20% darker color. If you saturate the color by 10%, you get **249, 214, 32**, and if you desaturate by 10%, it is **249, 221, 82**.

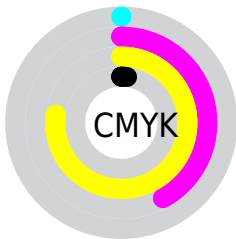
Distribution



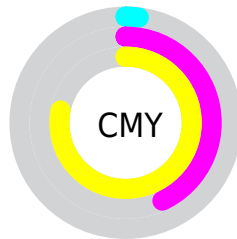
- Red (98%)
- Green (57%)
- Blue (22%)



- Red (98%)
- Yellow (86%)
- Blue (22%)



- Cyan (0%)
- Magenta (42%)
- Yellow (77%)
- Black (2%)




















- Cyan (2%)
- Magenta (43%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the RYB color 249, 219, 57 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 249, 219, 57 by changing the saturation by 10% instead.

 249, 219, 57	 249, 219, 57
 255, 255, 255	 218, 201, 29
 201, 255, 110	 187, 185, 0
 171, 255, 136	 156, 124, 0
 164, 255, 164	 126, 68, 0
 192, 255, 192	 96, 25, 0
 220, 255, 220	 68, 0, 0
 249, 255, 249	 45, 0, 1
	 0, 0, 0

 249, 219, 57

 249, 219, 57

249, 214, 32

249, 221, 82

249, 212, 7

249, 227, 107

249, 210, 0

249, 229, 132

249, 234, 157

249, 238, 181

249, 243, 206

249, 245, 231

249, 251, 255

249, 252, 255

Harmonies

Analogous

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



255, 121, 109



249, 219, 57



62, 200, 24

Triad

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



249, 219, 57



0, 108, 200



175, 153, 255

Complementary

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



249, 219, 57



57, 124, 249

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, 104, 255



249, 219, 57



0, 108, 235

Square

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



249, 219, 57



10, 132, 196



0, 110, 255



249, 125, 232

Rectangle

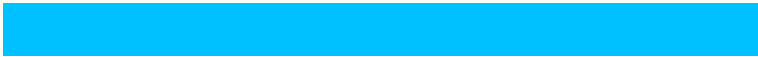
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



249, 219, 57



38, 181, 60



0, 110, 255



137, 158, 255

Sweetspot

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



249, 219, 57



255, 246, 196



249, 57, 163



128, 121, 92



0, 0, 0



128, 128, 128

Same Dimension

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



249, 219, 57



255, 216, 18



68, 249, 57



125, 123, 112



189, 158, 0



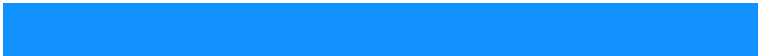
61, 52, 0

Inverse Universe

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



57, 124, 249



18, 101, 255



57, 67, 249



112, 117, 125



0, 66, 189



0, 21, 61

Previews

White Background



This preview shows how the RYB color 249, 219, 57 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



This preview shows how the RYB color 249, 219, 57 looks on a 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 249, 219, 57 Background



This preview shows how black text looks on a background with the RYB color 249, 219, 57.



This preview shows how white text looks on a background with the RYB color 249, 219, 57.

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
249, 219, 57

Protanopia
86, 191, 64

Deuteranopia
127, 215, 51



Tritanopia
254, 136, 146

Trichromacy



Original Color
249, 219, 57

Protanomaly
136, 212, 61

Deuteranomaly
173, 227, 53

Tritanomaly
252, 145, 114

Monochromacy



Original Color
249, 219, 57

Achromatopsia
166, 166, 166

Achromatomaly
196, 185, 126

CSS Examples

Text

The CSS property to change the color of the text to RYB 249, 219, 57 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(249, 145, 57)` looks like.

```
.text, #text, p{  
    color:rgb(249, 145, 57)  
}
```

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(249, 145, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 145, 57) }
```

Border

The CSS property to change the border of an element to RYB 249, 219, 57 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(249, 145, 57) }
```

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

```
.border{ border-color:rgb(249, 145, 57) }
```

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

Here you see how a box with a 4 pixel rgb(249, 145, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 145, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 145, 57);  
box-shadow:4px 4px 4px 4px rgb(249, 145,  
57) }
```

Background

The CSS property to change the background color of an element to RGB 249, 219, 57 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 145, 57) }
```

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

```
.background{ background-color: rgb(249,  
145, 57) }
```

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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