

Converting Colors

`RYB(208, 49, 129)`

Have a look what the booklet for
RYB(208, 49, 129) contains.

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Color

R_YB(208, 49, 129)

Conversions

Conversions Part 1

Format	Color
Hex	D03181
RGB	208, 49, 129
RGB Percent	82%, 19%, 51%
CMY	0.1843, 0.8078, 0.4941
CMYK	0.00, 0.76, 0.38, 0.18
HSL	330°, 63%, 50%
HSV	330°, 76%, 82%
XYZ	31.0732, 17.1915, 22.4494
YIQ	105.6610, 69.0840, 58.5880

Conversions

Conversions Part 2

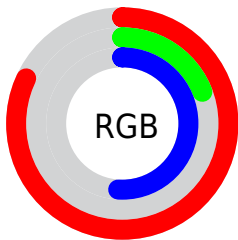
Format	Color
R_{YB}	208, 49, 129
Decimal	13644161
CIE _{Lab}	48.50, 66.43, -6.95
CIE _{LCh}	49, 66.787, 354.031
Yxy	17.1915, 0.4394, 0.2431
Android (android.graphics.Color)	4291834241 (0xFFD03181)
YUV	105.6610, 11.5061, 89.7513
Hunter-Lab	41.4626, 61.2130, -3.0780

Details

The RYB color **208, 49, 129** is a dark color, and the websafe version is hex **CC0066**. The color can be described as middle muted rose. A complement of this color would be **49, 155, 208**, and the grayscale version is **106, 106, 106**.

A 20% lighter version of the original color is **255, 110, 182**, and **148, 0, 80** is the 20% darker color. If you saturate the color by 10%, you get **208, 28, 119**, and if you desaturate by 10%, it is **208, 70, 139**.

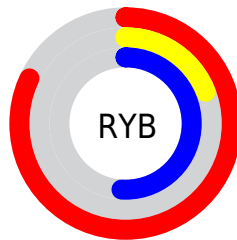
Distribution



Red (82%)

Green (19%)

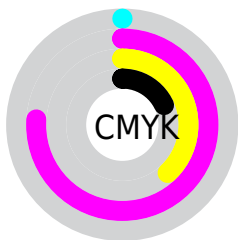
Blue (51%)



Red (82%)

Yellow (19%)

Blue (51%)

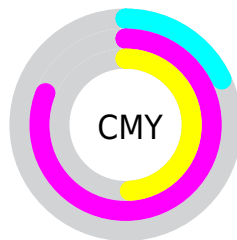


Cyan (0%)

Magenta (76%)

Yellow (38%)

Black (18%)



Cyan (18%)

Magenta (81%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RYB color 208, 49, 129 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 208, 49, 129 by changing the saturation by 10% instead.

 208, 49, 129

 208, 49, 129

255, 255, 255

 178, 0, 104

 255, 110, 182

 148, 0, 80

 255, 139, 209

 119, 0, 57

 255, 168, 238

 90, 0, 36

 255, 197, 255

 64, 0, 13

 255, 227, 255

 30, 0, 1

 0, 0, 0

 208, 49, 129

 208, 49, 129

 208, 28, 119

 208, 70, 139

■ 208, 7, 108

■ 208, 91, 150

■ 208, 0, 105

■ 208, 111, 160

■ 208, 132, 170

■ 208, 153, 181

■ 208, 174, 191

■ 208, 195, 201

■ 208, 212, 215

■ 208, 227, 236

Harmonies

Analogous

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



171, 76, 182



208, 49, 129



212, 55, 73

Triad

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



208, 49, 129



0, 126, 30



0, 82, 206

Complementary

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



208, 49, 129



49, 155, 208

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, 75, 160



208, 49, 129



0, 103, 135

Square

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



208, 49, 129



55, 149, 0



0, 80, 139



0, 81, 229

Rectangle

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



208, 49, 129



199, 85, 37



0, 80, 139



0, 80, 193

Sweetspot

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



208, 49, 129



255, 196, 226



126, 49, 208



128, 92, 110



0, 0, 0



128, 128, 128

Same Dimension

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



208, 49, 129



255, 20, 138



208, 49, 52



105, 94, 99



168, 0, 85



41, 0, 21

Inverse Universe

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



208, 49, 129



255, 20, 138



49, 129, 208



105, 94, 99



168, 0, 85



41, 0, 21

Previews

White Background



This preview shows how the RYB color 208, 49, 129 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 × Fail

Black Background



This preview shows how the RYB color 208, 49, 129 looks on a black 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

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

RYB 208, 49, 129 Background



This preview shows how black text looks on a background with the RYB color 208, 49, 129.



This preview shows how white text looks on a background with the RYB color 208, 49, 129.

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

208, 49, 129

Protanopia

97, 111, 172

Deuteranopia

125, 112, 121



Tritanopia
204, 66, 70

Trichromacy



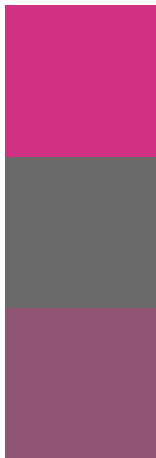
Original Color
208, 49, 129

Protanomaly
137, 90, 156

Deuteranomaly
155, 89, 124

Tritanomaly
205, 60, 91

Monochromacy



Original Color
208, 49, 129

Achromatopsia
106, 106, 106

Achromatomaly
143, 85, 114

CSS Examples

Text

The CSS property to change the color of the text to RYB 208, 49, 129 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(208, 49, 129)` looks like.

```
.text, #text, p{  
    color:rgb(208, 49, 129)  
}
```

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(208, 49, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 49, 129) }
```

Border

The CSS property to change the border of an element to RYB 208, 49, 129 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(208, 49, 129) }
```

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

```
.border{ border-color:rgb(208, 49, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 49, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 49, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 49, 129);  
box-shadow:4px 4px 4px 4px rgb(208, 49,  
129) }
```

Background

The CSS property to change the background color of an element to RGB 208, 49, 129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 49, 129) }
```

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

```
.background{ background-color: rgb(208, 49,  
129) }
```

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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