

Converting Colors

`RYB(209, 133, 163)`

Have a look what the booklet for
RYB(209, 133, 163) contains.

RYB(209, 133, 163)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(209, 133, 163)

Conversions

Conversions Part 1

Format	Color
Hex	D185A3
RGB	209, 133, 163
RGB Percent	82%, 52%, 64%
CMY	0.1804, 0.4784, 0.3608
CMYK	0.00, 0.36, 0.22, 0.18
HSL	336°, 45%, 67%
HSV	336°, 36%, 82%
XYZ	41.2929, 32.9747, 38.8387
YIQ	159.1440, 35.6660, 25.4420

Conversions

Conversions Part 2

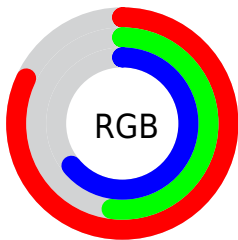
Format	Color
R _Y B	209, 133, 163
Decimal	13731235
CIE Lab	64.14, 33.26, -3.67
CIE LCh	64, 33.457, 353.708
Yxy	32.9747, 0.3651, 0.2915
Android (android.graphics.Color)	4291921315 (0xFFD185A3)
YUV	159.1440, 1.9010, 43.7237
Hunter-Lab	57.4236, 27.8667, 0.0955

Details

The RYB color **209, 133, 163** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **133, 180, 209**, and the grayscale version is **159, 159, 159**.

A 20% lighter version of the original color is **255, 187, 218**, and **153, 82, 111** is the 20% darker color. If you saturate the color by 10%, you get **209, 112, 150**, and if you desaturate by 10%, it is **209, 154, 176**.

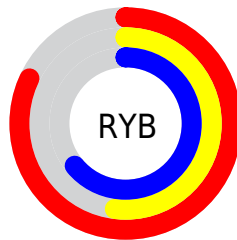
Distribution



Red (82%)

Green (52%)

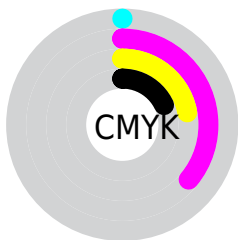
Blue (64%)



Red (82%)

Yellow (52%)

Blue (64%)

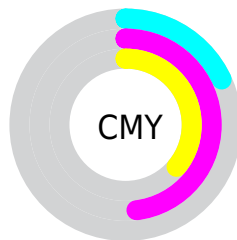


Cyan (0%)

Magenta (36%)

Yellow (22%)

Black (18%)



Cyan (18%)

Magenta (48%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the RYB color 209, 133, 163 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 209, 133, 163 by changing the saturation by 10% instead.

 209, 133, 163

 209, 133, 163

255, 255, 255

 181, 107, 137

 255, 187, 218

 153, 82, 111

 255, 215, 246

 126, 57, 87

 255, 244, 255

 100, 33, 64

 74, 6, 42

 50, 0, 22

 19, 0, 0

 0, 0, 0

 209, 133, 163

 209, 133, 163

 209, 112, 150

 209, 154, 176

 209, 91, 138

 209, 175, 188

 209, 70, 125

 209, 196, 201

 209, 49, 112

 209, 214, 217

 209, 28, 100

 209, 227, 238

 209, 8, 87

 209, 237, 255

 209, 0, 82

 209, 233, 255

 209, 232, 255

Harmonies

Analogous

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



187, 140, 191



209, 133, 163



214, 134, 133

Triad

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



209, 133, 163



100, 161, 110



55, 119, 203

Complementary

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



209, 133, 163



133, 180, 209

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.



44, 109, 178



209, 133, 163



117, 166, 168

Square

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



209, 133, 163



142, 181, 96



79, 132, 171



103, 141, 214

Rectangle

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



209, 133, 163



208, 145, 116



79, 132, 171



44, 113, 196

Sweetspot

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



209, 133, 163



255, 227, 238



179, 133, 209



128, 111, 117



0, 0, 0



128, 128, 128

Same Dimension

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



209, 133, 163



255, 143, 187



209, 142, 133



105, 94, 98



168, 0, 66



41, 0, 16

Inverse Universe

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



209, 133, 163



255, 143, 187



133, 169, 209



105, 94, 98



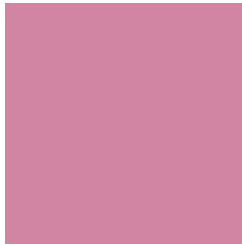
168, 0, 66



41, 0, 16

Previews

White Background



This preview shows how the RYB color 209, 133, 163 looks on a white background.

Color Contrast Check

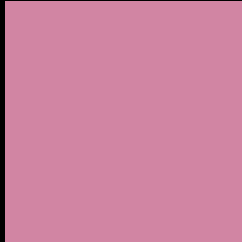
Large Text (above 18pt) WCAG AA × Fail

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 209, 133, 163 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](#).

RYB 209, 133, 163 Background



This preview shows how black text looks on a background with the RYB color 209, 133, 163.



This preview shows how white text looks on a background with the RYB color 209, 133, 163.

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
209, 133, 163

Protanopia
153, 155, 176

Deuteranopia
169, 151, 160



Tritanopia
207, 136, 146

Trichromacy



Original Color
209, 133, 163

Protanomaly
173, 147, 171

Deuteranomaly
184, 144, 161

Tritanomaly
208, 135, 152

Monochromacy



Original Color
209, 133, 163

Achromatopsia
159, 159, 159

Achromatomaly
177, 150, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 209, 133, 163 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(209, 133, 163) looks like.

```
.text, #text, p{  
    color:rgb(209, 133, 163)  
}
```

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(209, 133, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 133, 163) }
```

Border

The CSS property to change the border of an element to RYB 209, 133, 163 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(209, 133, 163) }
```

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

```
.border{ border-color:rgb(209, 133, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 133, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 133, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 133, 163);  
box-shadow:4px 4px 4px 4px rgb(209, 133,  
163) }
```

Background

The CSS property to change the background color of an element to RYB 209, 133, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 133, 163) }
```

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

```
.background{ background-color: rgb(209,  
133, 163) }
```

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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