

Converting Colors

`RYB(209, 106, 169)`

Have a look what the booklet for
RYB(209, 106, 169) contains.

RYB(209, 106, 169)	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

RYB(209, 106, 169)

Conversions

Conversions Part 1

Format	Color
Hex	D16AA9
RGB	209, 106, 169
RGB Percent	82%, 42%, 66%
CMY	0.1804, 0.5843, 0.3373
CMYK	0.00, 0.49, 0.19, 0.18
HSL	323°, 53%, 62%
HSV	323°, 49%, 82%
XYZ	38.6100, 26.7280, 40.6602
YIQ	143.9790, 41.1650, 41.4290

Conversions

Conversions Part 2

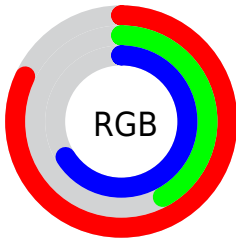
Format	Color
RYB	209, 106, 169
Decimal	13724329
CIELab	58.72, 48.23, -15.19
CIElCh	59, 50.563, 342.514
Yxy	26.7280, 0.3643, 0.2522
Android (android.graphics.Color)	4291914409 (0xFFD16AA9)
YUV	143.9790, 12.3354, 57.0234
Hunter-Lab	51.6991, 42.8342, -10.4409

Details

The RYB color **209, 106, 169** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **106, 180, 209**, and the grayscale version is **144, 144, 144**.

A 20% lighter version of the original color is **255, 160, 224**, and **152, 53, 117** is the 20% darker color. If you saturate the color by 10%, you get **209, 85, 161**, and if you desaturate by 10%, it is **209, 127, 177**.

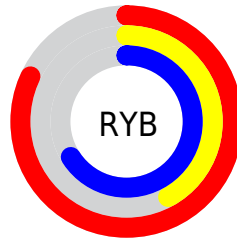
Distribution



Red (82%)

Green (42%)

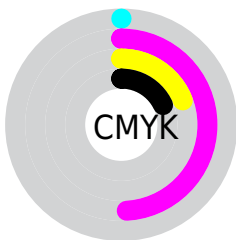
Blue (66%)



Red (82%)

Yellow (42%)

Blue (66%)

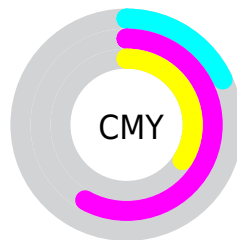


Cyan (0%)

Magenta (49%)

Yellow (19%)

Black (18%)



Cyan (18%)

Magenta (58%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 209, 106, 169 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, 106, 169 by changing the saturation by 10% instead.

 209, 106, 169

255, 255, 255

 255, 160, 224

 255, 188, 253

 255, 217, 255

 255, 246, 255


 209, 106, 169

 180, 80, 142

 152, 53, 117

 125, 23, 92

 98, 0, 68

 71, 0, 46

 48, 0, 26

 0, 0, 0

 209, 106, 169

 209, 85, 161

 209, 106, 169

 209, 127, 177

209, 64, 153

209, 148, 185

209, 43, 145

209, 169, 193

209, 22, 137

209, 190, 201

209, 2, 128

209, 210, 211

209, 0, 128

209, 225, 231

209, 240, 252

209, 239, 255

209, 236, 255

Harmonies

Analogous

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



168, 122, 207



209, 106, 169



223, 102, 124

Triad

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



209, 106, 169



52, 148, 49



0, 89, 200

Complementary

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



209, 106, 169



106, 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.



0, 83, 163



209, 106, 169



73, 155, 129

Square

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



209, 106, 169



154, 187, 54



0, 95, 161



0, 91, 225

Rectangle

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



209, 106, 169



220, 109, 96



0, 95, 161



0, 87, 188

Sweetspot

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



209, 106, 169



255, 217, 240



145, 106, 209



128, 105, 119



0, 0, 0



128, 128, 128

Same Dimension

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



209, 106, 169



255, 105, 197



209, 106, 118



105, 94, 100



168, 0, 103



41, 0, 25

Inverse Universe

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



209, 106, 169



255, 105, 197



106, 161, 209



105, 94, 100



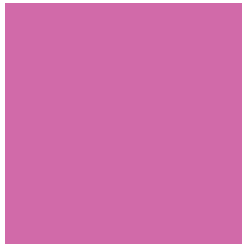
168, 0, 103



41, 0, 25

Previews

White Background



This preview shows how the RYB color 209, 106, 169 looks on a white background.

Color Contrast Check

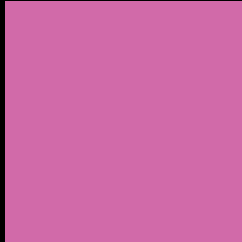
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 209, 106, 169 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 × Fail

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

RYB 209, 106, 169 Background



This preview shows how black text looks on a background with the RYB color 209, 106, 169.



This preview shows how white text looks on a background with the RYB color 209, 106, 169.

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, 106, 169

Protanopia
126, 138, 193

Deuteranopia
145, 138, 164



Tritanopia
204, 115, 124

Trichromacy



Original Color

209, 106, 169



Protanomaly

156, 128, 184



Deuteranomaly

168, 126, 166



Tritanomaly

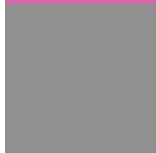
206, 112, 140

Monochromacy



Original Color

209, 106, 169



Achromatopsia

144, 144, 144



Achromatomaly

168, 130, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 209, 106, 169 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, 106, 169) looks like.

```
.text, #text, p{  
    color:rgb(209, 106, 169)  
}
```

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, 106, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 106, 169) }
```

Border

The CSS property to change the border of an element to RYB 209, 106, 169 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, 106, 169) }
```

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

```
.border{ border-color:rgb(209, 106, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 106, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 106, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 106, 169);  
box-shadow:4px 4px 4px 4px rgb(209, 106,  
169) }
```

Background

The CSS property to change the background color of an element to RYB 209, 106, 169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 106, 169) }
```

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

```
.background{ background-color: rgb(209,  
106, 169) }
```

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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