

Converting Colors

`RYB(218, 109, 187)`

Have a look what the booklet for
RYB(218, 109, 187) contains.

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Color

$\text{RYB}(218, 109, 187)$

Conversions

Conversions Part 1

Format	Color
Hex	DA6DBB
RGB	218, 109, 187
RGB Percent	85%, 43%, 73%
CMY	0.1451, 0.5725, 0.2667
CMYK	0.00, 0.50, 0.14, 0.15
HSL	317°, 60%, 64%
HSV	317°, 50%, 85%
XYZ	43.3517, 29.4306, 50.4095
YIQ	150.4830, 39.9260, 47.3660

Conversions

Conversions Part 2

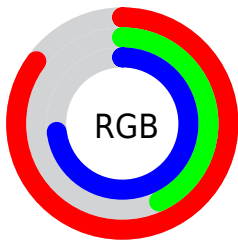
Format	Color
R_{YB}	218, 109, 187
Decimal	14314939
CIE _{Lab}	61.16, 52.30, -21.69
CIE _{LCh}	61, 56.614, 337.477
Yxy	29.4306, 0.3519, 0.2389
Android (android.graphics.Color)	4292505019 (0xFFDA6DBB)
YUV	150.4830, 18.0029, 59.2124
Hunter-Lab	54.2499, 47.7039, -17.1178

Details

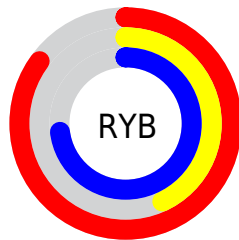
The RYB color **218, 109, 187** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **109, 194, 218**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **255, 164, 243**, and **161, 55, 134** is the 20% darker color. If you saturate the color by 10%, you get **218, 87, 181**, and if you desaturate by 10%, it is **218, 131, 193**.

Distribution



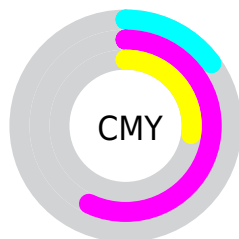
- Red (85%)
- Green (43%)
- Blue (73%)



- Red (85%)
- Yellow (43%)
- Blue (73%)



- Cyan (0%)
- Magenta (50%)
- Yellow (14%)
- Black (15%)



- Cyan (15%)
- Magenta (57%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the RYB color 218, 109, 187 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 218, 109, 187 by changing the saturation by 10% instead.

 218, 109, 187

255, 255, 255

 255, 164, 243


 255, 192, 255

 255, 221, 255

 255, 250, 255

 218, 109, 187

 189, 82, 160

 161, 55, 134

 133, 24, 108

 106, 0, 84

 79, 0, 60

 55, 0, 39

 24, 0, 15

 0, 0, 0

 218, 109, 187

 218, 109, 187

218, 87, 181

218, 131, 193

218, 65, 175

218, 153, 199

218, 44, 168

218, 174, 206

218, 22, 162

218, 196, 212

218, 0, 156

218, 218, 218

218, 235, 240

218, 246, 255

218, 242, 255

218, 240, 255

Harmonies

Analogous

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



166, 129, 227



218, 109, 187



239, 101, 137

Triad

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



218, 109, 187



55, 163, 39



0, 93, 207

Complementary

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



218, 109, 187



109, 194, 218

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, 89, 172



218, 109, 187



63, 162, 116

Square

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



218, 109, 187



195, 205, 52



0, 103, 169



0, 97, 240

Rectangle

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



218, 109, 187



237, 107, 104



0, 103, 169



0, 90, 192

Sweetspot

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



218, 109, 187



255, 217, 244



140, 109, 218



128, 105, 121



0, 0, 0



128, 128, 128

Same Dimension

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



218, 109, 187



255, 102, 211



218, 109, 133



110, 99, 107



173, 0, 124



46, 0, 33

Inverse Universe

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



218, 109, 187



255, 102, 211



109, 170, 218



110, 99, 107



173, 0, 124



46, 0, 33

Previews

White Background



This preview shows how the RYB color 218, 109, 187 looks on a white background.

Color Contrast Check

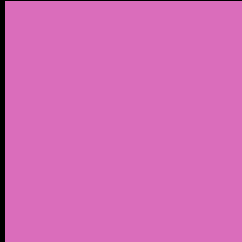
Large Text (above 18pt) WCAG AA ✓ Pass

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 218, 109, 187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

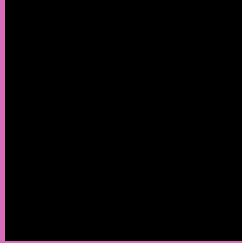
Any Text WCAG AA ✓ Pass

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](#).

R Y B 218, 109, 187 Background



This preview shows how black text looks on a background with the R Y B color 218, 109, 187.



This preview shows how white text looks on a background with the R Y B color 218, 109, 187.

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
218, 109, 187

Protanopia
126, 142, 215

Deuteranopia
146, 145, 181



Tritanopia
212, 121, 130

Trichromacy



Original Color

218, 109, 187



Protanomaly

159, 133, 205



Deuteranomaly

172, 132, 183



Tritanomaly

214, 117, 151

Monochromacy



Original Color

218, 109, 187



Achromatopsia

150, 150, 150



Achromatomaly

175, 135, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 218, 109, 187 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(218, 109, 187) looks like.

```
.text, #text, p{  
    color:rgb(218, 109, 187)  
}
```

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(218, 109, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 109, 187) }
```

Border

The CSS property to change the border of an element to RYB 218, 109, 187 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(218, 109, 187) }
```

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

```
.border{ border-color:rgb(218, 109, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 109, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 109, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 109, 187);  
box-shadow:4px 4px 4px 4px rgb(218, 109,  
187) }
```

Background

The CSS property to change the background color of an element to RGB 218, 109, 187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 109, 187) }
```

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

```
.background{ background-color: rgb(218,  
109, 187) }
```

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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