

Converting Colors

`RYB(228, 109, 176)`

Have a look what the booklet for
RYB(228, 109, 176) contains.

RYB(228, 109, 176)	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(228, 109, 176)`

Conversions

Conversions Part 1

Format	Color
Hex	E46DB0
RGB	228, 109, 176
RGB Percent	89%, 43%, 69%
CMY	0.1059, 0.5725, 0.3098
CMYK	0.00, 0.52, 0.23, 0.11
HSL	326°, 69%, 66%
HSV	326°, 52%, 89%
XYZ	45.3000, 30.5658, 44.5865
YIQ	152.2190, 49.4170, 46.0650

Conversions

Conversions Part 2

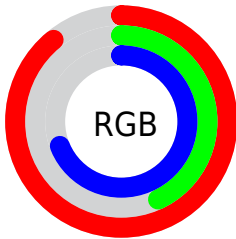
Format	Color
R_{YB}	228, 109, 176
Decimal	14970288
CIE _{Lab}	62.14, 53.75, -13.79
CIE _{LCh}	62, 55.496, 345.607
Yxy	30.5658, 0.3761, 0.2538
Android (android.graphics.Color)	4293160368 (0xFFE46DB0)
YUV	152.2190, 11.7240, 66.4599
Hunter-Lab	55.2864, 49.5064, -9.1148

Details

The RYB color **228, 109, 176** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **109, 192, 228**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **255, 164, 232**, and **170, 54, 123** is the 20% darker color. If you saturate the color by 10%, you get **228, 86, 166**, and if you desaturate by 10%, it is **228, 132, 186**.

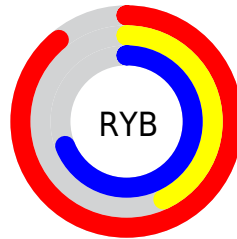
Distribution



Red (89%)

Green (43%)

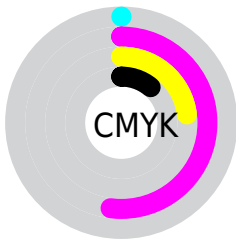
Blue (69%)



Red (89%)

Yellow (43%)

Blue (69%)

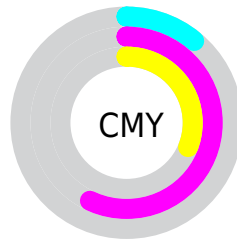


Cyan (0%)

Magenta (52%)

Yellow (23%)

Black (11%)



Cyan (11%)

Magenta (57%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 109, 176 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 228, 109, 176 by changing the saturation by 10% instead.

 228, 109, 176

255, 255, 255

 255, 164, 232

 255, 192, 255

 255, 221, 255


 255, 251, 255

 228, 109, 176

 199, 82, 149

 170, 54, 123

 141, 22, 98

 114, 0, 75

 86, 0, 52

 61, 0, 31

 34, 0, 1

 0, 0, 0

 228, 109, 176

 228, 109, 176

■ 228, 86, 166

■ 228, 132, 186

■ 228, 63, 156

■ 228, 155, 196

■ 228, 41, 146

■ 228, 177, 206

■ 228, 18, 136

■ 228, 200, 216

■ 228, 0, 128

■ 228, 223, 226

■ 228, 240, 246

■ 228, 244, 255

■ 228, 242, 255

Harmonies

Analogous

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



186, 126, 220



228, 109, 176



241, 106, 126

Triad

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



228, 109, 176



48, 156, 52



0, 96, 219

Complementary

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



228, 109, 176



109, 192, 228

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, 87, 175



228, 109, 176



78, 167, 149

Square

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



228, 109, 176



146, 197, 50



0, 101, 173



0, 98, 245

Rectangle

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



228, 109, 176



235, 117, 96



0, 101, 173



0, 94, 206

Sweetspot

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



228, 109, 176



255, 214, 237



161, 109, 228



128, 103, 117



0, 0, 0



128, 128, 128

Same Dimension

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



228, 109, 176



255, 94, 185



228, 109, 117



115, 103, 110



179, 0, 100



51, 0, 29

Inverse Universe

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



228, 109, 176



255, 94, 185



109, 171, 228



115, 103, 110



179, 0, 100



51, 0, 29

Previews

White Background



This preview shows how the RYB color 228, 109, 176 looks on a white background.

Color Contrast Check

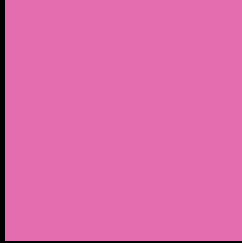
Large Text (above 18pt) WCAG AA × Fail

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 228, 109, 176 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 228, 109, 176 Background



This preview shows how black text looks on a background with the RYB color 228, 109, 176.



This preview shows how white text looks on a background with the RYB color 228, 109, 176.

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
228, 109, 176

Protanopia
135, 147, 204

Deuteranopia
156, 147, 170



Tritanopia
223, 119, 128

Trichromacy



Original Color

228, 109, 176



Protanomaly

169, 134, 194



Deuteranomaly

182, 133, 172



Tritanomaly

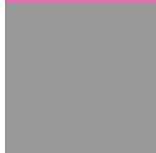
225, 115, 145

Monochromacy



Original Color

228, 109, 176



Achromatopsia

152, 152, 152



Achromatomaly

180, 136, 161

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 109, 176 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(228, 109, 176)` looks like.

```
.text, #text, p{  
    color:rgb(228, 109, 176)  
}
```

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(228, 109, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 109, 176) }
```

Border

The CSS property to change the border of an element to RYB 228, 109, 176 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(228, 109, 176) }
```

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

```
.border{ border-color:rgb(228, 109, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 109, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 109, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 109, 176);  
box-shadow:4px 4px 4px 4px rgb(228, 109,  
176) }
```

Background

The CSS property to change the background color of an element to RGB 228, 109, 176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 109, 176) }
```

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

```
.background{ background-color: rgb(228,  
109, 176) }
```

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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