

Converting Colors

`RYB(219, 37, 154)`

Have a look what the booklet for
RYB(219, 37, 154) contains.

RYB(219, 37, 154)	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(219, 37, 154)`

Conversions

Conversions Part 1

Format	Color
Hex	DB259A
RGB	219, 37, 154
RGB Percent	86%, 15%, 60%
CMY	0.1412, 0.8549, 0.3961
CMYK	0.00, 0.83, 0.30, 0.14
HSL	321°, 72%, 50%
HSV	321°, 83%, 86%
XYZ	35.7077, 18.7163, 32.3024
YIQ	104.7560, 70.9150, 74.9710

Conversions

Conversions Part 2

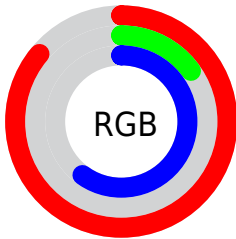
Format	Color
R_{YB}	219, 37, 154
Decimal	14362010
CIE _{Lab}	50.35, 74.77, -18.99
CIE _{LCh}	50, 77.148, 345.753
Yxy	18.7163, 0.4117, 0.2158
Android (android.graphics.Color)	4292552090 (0xFFDB259A)
YUV	104.7560, 24.2773, 100.1920
Hunter-Lab	43.2623, 71.6206, -13.9861

Details

The RYB color **219, 37, 154** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle washed rose. A complement of this color would be **37, 171, 219**, and the grayscale version is **104, 104, 104**.

A 20% lighter version of the original color is **255, 105, 209**, and **159, 0, 103** is the 20% darker color. If you saturate the color by 10%, you get **219, 15, 146**, and if you desaturate by 10%, it is **219, 59, 162**.

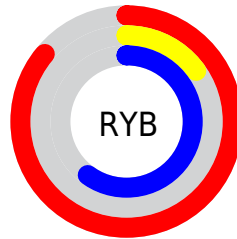
Distribution



Red (86%)

Green (15%)

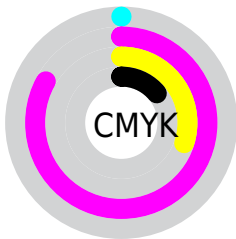
Blue (60%)



Red (86%)

Yellow (15%)

Blue (60%)

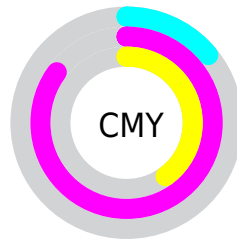


Cyan (0%)

Magenta (83%)

Yellow (30%)

Black (14%)



Cyan (14%)


Magenta (85%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 219, 37, 154 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 219, 37, 154 by changing the saturation by 10% instead.

 219, 37, 154

255, 255, 255

 255, 105, 209

 255, 135, 237

 255, 165, 255

 255, 195, 255

 255, 224, 255

 219, 37, 154

 189, 0, 128

 159, 0, 103

 129, 0, 79


 100, 0, 56

 74, 0, 34

 44, 0, 7

 0, 0, 0

 219, 37, 154

 219, 15, 146

 219, 37, 154

 219, 59, 162

■ 219, 0, 141

■ 219, 81, 170

■ 219, 103, 177

■ 219, 125, 185

■ 219, 147, 193

■ 219, 168, 201

■ 219, 190, 209

■ 219, 212, 217

■ 219, 230, 234

Harmonies

Analogous

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



163, 82, 213



219, 37, 154



232, 27, 89

Triad

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



219, 37, 154



0, 128, 14



0, 87, 214

Complementary

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



219, 37, 154



37, 171, 219

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, 154



219, 37, 154



0, 140, 140

Square

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



219, 37, 154



107, 171, 0



0, 92, 146



0, 88, 249

Rectangle

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



219, 37, 154



222, 58, 46



0, 92, 146



0, 84, 196

Sweetspot

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



219, 37, 154



255, 191, 232



101, 37, 219



128, 89, 114



0, 0, 0



128, 128, 128

Same Dimension

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



219, 37, 154



255, 0, 164



219, 37, 64



110, 99, 106



173, 0, 111



46, 0, 30

Inverse Universe

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



219, 37, 154



255, 0, 164



37, 135, 219



110, 99, 106



173, 0, 111



46, 0, 30

Previews

White Background



This preview shows how the RYB color 219, 37, 154 looks on a white background.

Color Contrast Check

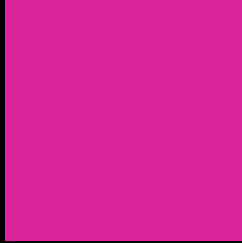
Large Text (above 18pt) WCAG AA ✓ Pass

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 219, 37, 154 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 219, 37, 154 Background



This preview shows how black text looks on a background with the RYB color 219, 37, 154.



This preview shows how white text looks on a background with the RYB color 219, 37, 154.

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
219, 37, 154

Protanopia
78, 109, 211

Deuteranopia
121, 118, 144



Tritanopia
213, 68, 72

Trichromacy



Original Color

219, 37, 154



Protanomaly

129, 89, 190



Deuteranomaly

157, 89, 148



Tritanomaly

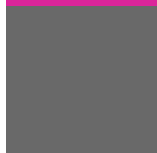
215, 57, 102

Monochromacy



Original Color

219, 37, 154



Achromatopsia

105, 105, 105



Achromatomaly

146, 80, 123

CSS Examples

Text

The CSS property to change the color of the text to RYB 219, 37, 154 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(219, 37, 154)` looks like.

```
.text, #text, p{  
    color:rgb(219, 37, 154)  
}
```

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(219, 37, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 37, 154) }
```

Border

The CSS property to change the border of an element to RYB 219, 37, 154 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(219, 37, 154) }
```

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

```
.border{ border-color:rgb(219, 37, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 37, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 37, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 37, 154);  
box-shadow:4px 4px 4px 4px rgb(219, 37,  
154) }
```

Background

The CSS property to change the background color of an element to RGB 219, 37, 154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 37, 154) }
```

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

```
.background{ background-color: rgb(219, 37,  
154) }
```

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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