

Converting Colors

`RYB(219, 67, 236)`

Have a look what the booklet for
RYB(219, 67, 236) contains.

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Color

R_YB(219, 67, 236)

Conversions

Conversions Part 1

Format	Color
Hex	DB43EC
RGB	219, 67, 236
RGB Percent	86%, 26%, 93%
CMY	0.1412, 0.7373, 0.0745
CMYK	0.07, 0.72, 0.00, 0.07
HSL	294°, 82%, 59%
HSV	294°, 72%, 93%
XYZ	46.3609, 25.1305, 81.7641
YIQ	131.7140, 36.3430, 84.7830

Conversions

Conversions Part 2

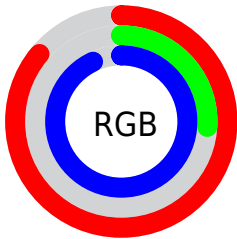
Format	Color
R _Y B	219, 67, 236
Decimal	14369772
CIE Lab	57.20, 78.06, -55.58
CIE LCh	57, 95.823, 324.550
Yxy	25.1305, 0.3025, 0.1640
Android (android.graphics.Color)	4292559852 (0xFFDB43EC)
YUV	131.7140, 51.4130, 76.5498
Hunter-Lab	50.1303, 77.3500, -61.6125

Details

The RYB color **219, 67, 236** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light muted magenta. A complement of this color would be **67, 236, 219**, and the grayscale version is **131, 131, 131**.

A 20% lighter version of the original color is **255, 128, 255**, and **160, 0, 179** is the 20% darker color. If you saturate the color by 10%, you get **217, 43, 236**, and if you desaturate by 10%, it is **221, 91, 236**.

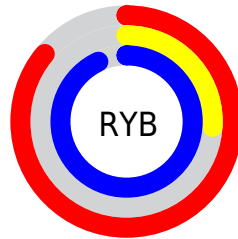
Distribution



Red (86%)

Green (26%)

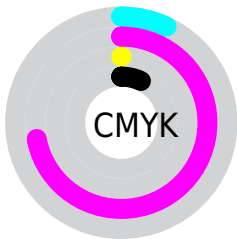
Blue (93%)



Red (86%)

Yellow (26%)

Blue (93%)

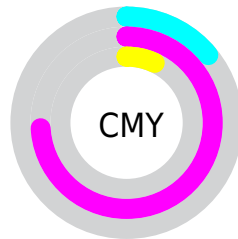


Cyan (7%)

Magenta (72%)

Yellow (0%)

Black (7%)



Cyan (14%)


Magenta (74%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 219, 67, 236 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, 67, 236 by changing the saturation by 10% instead.

 219, 67, 236

 219, 67, 236


255, 255, 255

 189, 28, 207

 255, 128, 255

 160, 0, 179

 255, 158, 255

 131, 0, 152

 255, 187, 255

 102, 0, 125

 255, 217, 255

 74, 0, 100

 255, 247, 255

 47, 0, 75

 9, 0, 51

 0, 2, 29

 0, 0, 0

■ 219, 67, 236

■ 219, 67, 236

■ 217, 43, 236

■ 221, 91, 236

■ 214, 20, 236

■ 224, 114, 236

■ 212, 0, 236

■ 226, 138, 236

■ 228, 161, 236

■ 231, 185, 236

■ 233, 209, 236

■ 236, 232, 236

■ 236, 255, 253

■ 236, 255, 251

Harmonies

Analogous

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



69, 110, 255



219, 67, 236



255, 0, 156

Triad

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



219, 67, 236



71, 180, 0



0, 93, 205

Complementary

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



219, 67, 236



67, 236, 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, 100, 170



219, 67, 236



0, 153, 53

Square

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



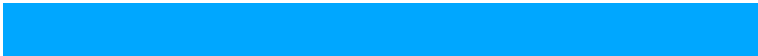
219, 67, 236



239, 137, 0



0, 150, 165



0, 101, 255

Rectangle

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



219, 67, 236



255, 0, 101



0, 150, 165



0, 87, 177

Sweetspot

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



219, 67, 236



250, 201, 255



67, 85, 236



124, 96, 128



0, 0, 0



128, 128, 128

Same Dimension

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



219, 67, 236



233, 36, 255



236, 67, 171



116, 106, 117



163, 0, 181



48, 0, 54

Inverse Universe

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



236, 67, 84



255, 36, 58



67, 189, 236



117, 106, 107



181, 0, 18



54, 0, 5

Previews

White Background



This preview shows how the RYB color 219, 67, 236 looks on a white background.

Color Contrast Check

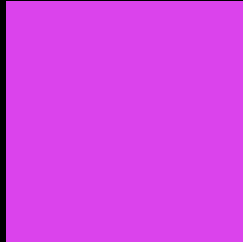
Large Text (above 18pt) WCAG AA ✓ Pass

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, 67, 236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

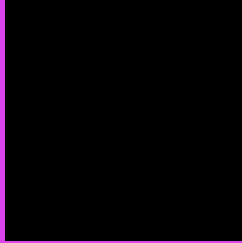
Any Text WCAG AA ✓ Pass

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 219, 67, 236 Background



This preview shows how black text looks on a background with the RYB color 219, 67, 236.

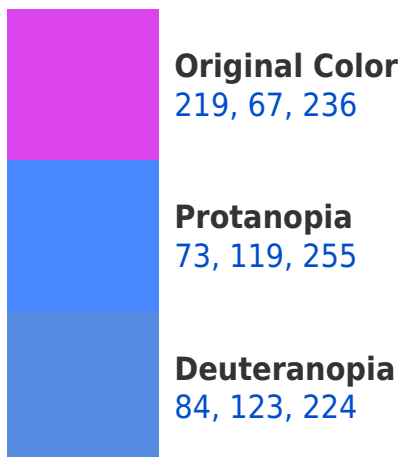



This preview shows how white text looks on a background with the RYB color 219, 67, 236.

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





Tritanopia
204, 108, 116

Trichromacy



Original Color
219, 67, 236



Protanomaly
126, 110, 248



Deuteranomaly
133, 112, 228



Tritanomaly
209, 93, 160

Monochromacy



Original Color
219, 67, 236



Achromatopsia
132, 132, 132



Achromatomaly
164, 108, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 219, 67, 236 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, 67, 236) looks like.

```
.text, #text, p{  
    color:rgb(219, 67, 236)  
}
```

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, 67, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 67, 236) }
```

Border

The CSS property to change the border of an element to RYB 219, 67, 236 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, 67, 236) }
```

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

```
.border{ border-color:rgb(219, 67, 236) }
```

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

Here you see how a box with a 4 pixel rgb(219, 67, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 67, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 67, 236);  
box-shadow:4px 4px 4px 4px rgb(219, 67,  
236) }
```

Background

The CSS property to change the background color of an element to RGB 219, 67, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 67, 236) }
```

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

```
.background{ background-color: rgb(219, 67,  
236) }
```

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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