

Converting Colors

`RYB(210, 73, 238)`

Have a look what the booklet for
RYB(210, 73, 238) contains.

RYB(210, 73, 238)	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

R_YB(210, 73, 238)

Conversions

Conversions Part 1

Format	Color
Hex	D249EE
RGB	210, 73, 238
RGB Percent	82%, 29%, 93%
CMY	0.1765, 0.7137, 0.0667
CMYK	0.12, 0.69, 0.00, 0.07
HSL	290°, 83%, 61%
HSV	290°, 69%, 93%
XYZ	44.3935, 24.6398, 83.3051
YIQ	132.7730, 28.6870, 80.3590

Conversions

Conversions Part 2

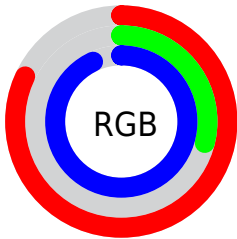
Format	Color
R_{YB}	210, 73, 238
Decimal	13781486
CIE _{Lab}	56.72, 74.48, -57.54
CIE _{LCh}	57, 94.116, 322.312
Yxy	24.6398, 0.2914, 0.1617
Android (android.graphics.Color)	4291971566 (0xFFD249EE)
YUV	132.7730, 51.8769, 67.7281
Hunter-Lab	49.6385, 72.7718, -64.7557

Details

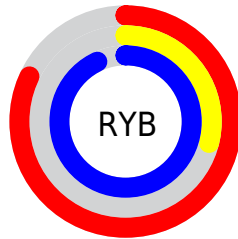
The RYB color **210, 73, 238** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **73, 238, 210**, and the grayscale version is **132, 132, 132**.

A 20% lighter version of the original color is **255, 132, 255**, and **151, 0, 181** is the 20% darker color. If you saturate the color by 10%, you get **206, 49, 238**, and if you desaturate by 10%, it is **214, 97, 238**.

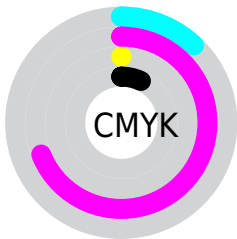
Distribution



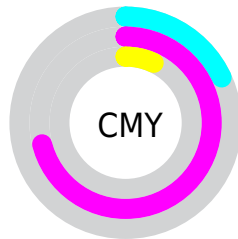
- Red (82%)
- Green (29%)
- Blue (93%)



- Red (82%)
- Yellow (29%)
- Blue (93%)



- Cyan (12%)
- Magenta (69%)
- Yellow (0%)
- Black (7%)



- Cyan (18%)
- Magenta (71%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 210, 73, 238 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 210, 73, 238 by changing the saturation by 10% instead.



210, 73, 238



210, 73, 238

255, 255, 255



180, 39, 209



255, 132, 255



151, 0, 181



255, 161, 255



122, 0, 154



255, 190, 255



94, 0, 127



255, 220, 255



65, 0, 101



255, 249, 255



38, 0, 76



0, 0, 52



0, 2, 30



0, 0, 0

■ 210, 73, 238

■ 210, 73, 238

■ 206, 49, 238

■ 214, 97, 238

■ 202, 25, 238

■ 218, 121, 238

■ 198, 2, 238

■ 222, 144, 238

■ 198, 0, 238

■ 226, 168, 238

■ 230, 192, 238

■ 234, 216, 238

■ 238, 240, 240

■ 238, 255, 251

■ 238, 255, 247

Harmonies

Analogous

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



38, 100, 255



210, 73, 238



255, 0, 161

Triad

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



210, 73, 238



83, 183, 0



0, 91, 197

Complementary

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



210, 73, 238



73, 238, 210

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, 101, 168



210, 73, 238



0, 150, 44

Square

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



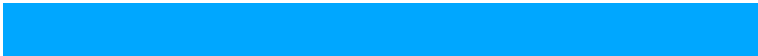
210, 73, 238



240, 127, 0



0, 161, 162



0, 101, 255

Rectangle

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



210, 73, 238



255, 0, 107



0, 161, 162



0, 85, 170

Sweetspot

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



210, 73, 238



246, 201, 255



73, 98, 238



122, 96, 128



0, 0, 0



128, 128, 128

Same Dimension

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



210, 73, 238



219, 43, 255



238, 73, 186



118, 108, 120



152, 0, 184



47, 0, 56

Inverse Universe

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



238, 73, 101



255, 43, 79



73, 198, 238



120, 108, 110



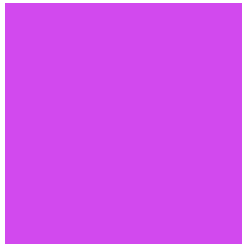
184, 0, 31



56, 0, 10

Previews

White Background



This preview shows how the RYB color 210, 73, 238 looks on a white background.

Color Contrast Check

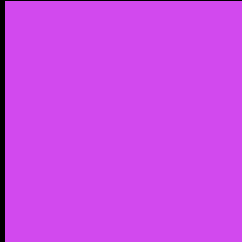
Large Text (above 18pt) WCAG AA ✓ Pass

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 210, 73, 238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

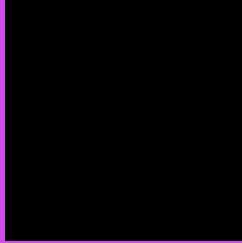
Any Text WCAG AA ✓ Pass

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 210, 73, 238 Background



This preview shows how black text looks on a background with the RYB color 210, 73, 238.

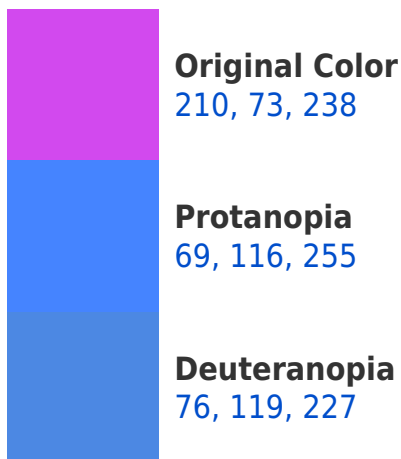


This preview shows how white text looks on a background with the RYB color 210, 73, 238.

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
194, 112, 120

Trichromacy



Original Color

210, 73, 238



Protanomaly

120, 111, 249



Deuteranomaly

125, 114, 231



Tritanomaly

200, 98, 163

Monochromacy



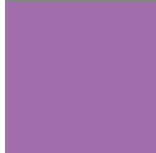
Original Color

210, 73, 238



Achromatopsia

133, 133, 133



Achromatomaly

161, 111, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 210, 73, 238 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(210, 73, 238) looks like.

```
.text, #text, p{  
    color:rgb(210, 73, 238)  
}
```

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(210, 73, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 73, 238) }
```

Border

The CSS property to change the border of an element to RYB 210, 73, 238 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(210, 73, 238) }
```

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

```
.border{ border-color:rgb(210, 73, 238) }
```

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

Here you see how a box with a 4 pixel rgb(210, 73, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 73, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 73, 238);  
box-shadow:4px 4px 4px 4px rgb(210, 73,  
238) }
```

Background

The CSS property to change the background color of an element to RGB 210, 73, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 73, 238) }
```

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

```
.background{ background-color: rgb(210, 73,  
238) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor