

Converting Colors

`RYB(210, 30, 225)`

Have a look what the booklet for RYB(210, 30, 225) contains.

RYB(210, 30, 225)	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, 30, 225)

Conversions

Conversions Part 1

Format	Color
Hex	D21EE1
RGB	210, 30, 225
RGB Percent	82%, 12%, 88%
CMY	0.1765, 0.8824, 0.1176
CMYK	0.07, 0.87, 0.00, 0.12
HSL	295°, 76%, 50%
HSV	295°, 87%, 88%
XYZ	40.6332, 20.0664, 72.9658
YIQ	106.0500, 44.6850, 98.8050

Conversions

Conversions Part 2

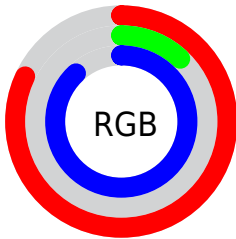
Format	Color
R _Y B	210, 30, 225
Decimal	13770465
CIE Lab	51.91, 83.94, -57.93
CIE LCh	52, 101.985, 325.389
Yxy	20.0664, 0.3040, 0.1501
Android (android.graphics.Color)	4291960545 (0xFFD21EE1)
YUV	106.0500, 58.6423, 91.1641
Hunter-Lab	44.7956, 83.5218, -65.2183

Details

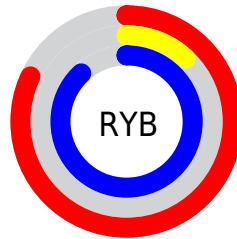
The RYB color **210, 30, 225** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **30, 225, 210**, and the grayscale version is **105, 105, 105**.

A 20% lighter version of the original color is **255, 104, 255**, and **150, 0, 169** is the 20% darker color. If you saturate the color by 10%, you get **208, 8, 225**, and if you desaturate by 10%, it is **212, 53, 225**.

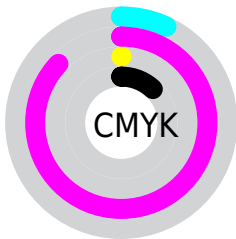
Distribution



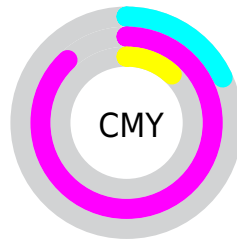
- Red (82%)
- Green (12%)
- Blue (88%)



- Red (82%)
- Yellow (12%)
- Blue (88%)



- Cyan (7%)
- Magenta (87%)
- Yellow (0%)
- Black (12%)




















- Cyan (18%)
- Magenta (88%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 210, 30, 225 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, 30, 225 by changing the saturation by 10% instead.

 210, 30, 225	 210, 30, 225
 255, 255, 255	 180, 0, 197
 255, 104, 255	 150, 0, 169
 255, 134, 255	 121, 0, 142
 255, 164, 255	 92, 0, 115
 255, 194, 255	 65, 0, 90
 255, 224, 255	 34, 0, 65
	 0, 0, 42
	 0, 1, 20
	 0, 0, 0

■ 210, 30, 225

■ 210, 30, 225

■ 208, 8, 225

■ 212, 53, 225

■ 208, 0, 225

■ 213, 75, 225

■ 215, 98, 225

■ 217, 120, 225

■ 219, 143, 225

■ 220, 165, 225

■ 222, 188, 225

■ 224, 210, 225

■ 225, 233, 232

Harmonies

Analogous

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



23, 85, 255



210, 30, 225



255, 0, 141

Triad

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



210, 30, 225



64, 162, 0



0, 88, 197

Complementary

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



210, 30, 225



30, 225, 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, 93, 156



210, 30, 225



0, 140, 64

Square

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



210, 30, 225



225, 100, 0



0, 151, 151



0, 96, 255

Rectangle

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



210, 30, 225



255, 0, 84



0, 151, 151



0, 81, 168

Sweetspot

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



210, 30, 225



250, 189, 255



30, 45, 225



124, 88, 128



0, 0, 0



128, 128, 128

Same Dimension

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



210, 30, 225



235, 0, 255



225, 30, 144



111, 101, 112



162, 0, 176



45, 0, 48

Inverse Universe

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



225, 30, 45



255, 0, 20



30, 168, 225



112, 101, 102



176, 0, 14



48, 0, 4

Previews

White Background



This preview shows how the RYB color 210, 30, 225 looks on a white background.

Color Contrast Check

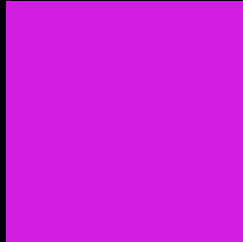
Large Text (above 18pt) WCAG AA ✓ Pass

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, 30, 225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

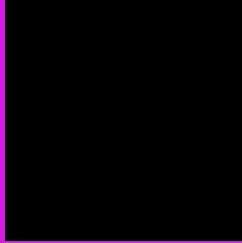
Any Text WCAG AA ✓ Pass

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](#).

RYP 210, 30, 225 Background



This preview shows how black text looks on a background with the RYP color 210, 30, 225.



This preview shows how white text looks on a background with the RYP color 210, 30, 225.

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
210, 30, 225

Protanopia
0, 81, 254

Deuteranopia
60, 106, 212



Tritanopia
195, 91, 98

Trichromacy



Original Color

210, 30, 225



Protanomaly

76, 86, 243



Deuteranomaly

115, 91, 217



Tritanomaly

200, 69, 144

Monochromacy



Original Color

210, 30, 225



Achromatopsia

106, 106, 106



Achromatomaly

144, 78, 149

CSS Examples

Text

The CSS property to change the color of the text to RYB 210, 30, 225 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, 30, 225) looks like.

```
.text, #text, p{  
    color:rgb(210, 30, 225)  
}
```

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, 30, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 30, 225) }
```

Border

The CSS property to change the border of an element to RYB 210, 30, 225 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, 30, 225) }
```

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

```
.border{ border-color:rgb(210, 30, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 30, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 30, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 30, 225);  
box-shadow:4px 4px 4px 4px rgb(210, 30,  
225) }
```

Background

The CSS property to change the background color of an element to RGB 210, 30, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 30, 225) }
```

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

```
.background{ background-color: rgb(210, 30,  
225) }
```

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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