

Converting Colors

`RYB(224, 85, 212)`

Have a look what the booklet for
RYB(224, 85, 212) contains.

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Color

`RYB(224, 85, 212)`

Conversions

Conversions Part 1

Format	Color
Hex	E055D4
RGB	224, 85, 212
RGB Percent	88%, 33%, 83%
CMY	0.1216, 0.6667, 0.1686
CMYK	0.00, 0.62, 0.05, 0.12
HSL	305°, 69%, 61%
HSV	305°, 62%, 88%
XYZ	45.8726, 27.0978, 65.1000
YIQ	141.0390, 42.0770, 68.9650

Conversions

Conversions Part 2

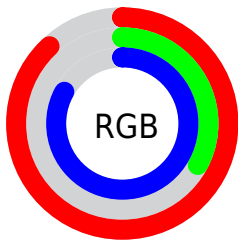
Format	Color
R_{YB}	224, 85, 212
Decimal	14702036
CIE _{Lab}	59.06, 68.65, -39.07
CIE _{LCh}	59, 78.984, 330.356
Yxy	27.0978, 0.3322, 0.1963
Android (android.graphics.Color)	4292892116 (0xFFE055D4)
YUV	141.0390, 34.9838, 72.7568
Hunter-Lab	52.0555, 66.2016, -37.7085

Details

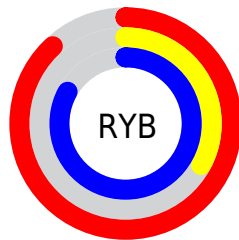
The RYB color **224, 85, 212** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **85, 213, 224**, and the grayscale version is **141, 141, 141**.

A 20% lighter version of the original color is **255, 143, 255**, and **165, 10, 157** is the 20% darker color. If you saturate the color by 10%, you get **224, 63, 210**, and if you desaturate by 10%, it is **224, 107, 214**.

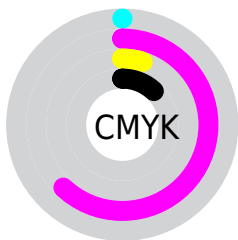
Distribution



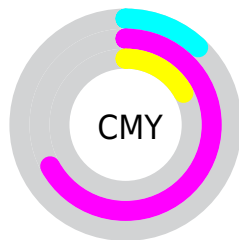
- Red (88%)
- Green (33%)
- Blue (83%)



- Red (88%)
- Yellow (33%)
- Blue (83%)



- Cyan (0%)
- Magenta (62%)
- Yellow (5%)
- Black (12%)



















- Cyan (12%)
- Magenta (67%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 224, 85, 212 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 224, 85, 212 by changing the saturation by 10% instead.

 224, 85, 212	 224, 85, 212
 255, 255, 255	 194, 54, 184
 255, 143, 255	 165, 10, 157
 255, 171, 255	 137, 0, 130
 255, 200, 255	 109, 0, 105
 255, 230, 255	 81, 0, 80
	 56, 0, 57
	 25, 0, 34
	 0, 0, 7
	 0, 0, 0

■ 224, 85, 212

■ 224, 85, 212

■ 224, 63, 210

■ 224, 107, 214

■ 224, 40, 208

■ 224, 130, 216

■ 224, 18, 206

■ 224, 152, 218

■ 224, 0, 205

■ 224, 175, 220

■ 224, 197, 222

■ 224, 219, 224

■ 224, 240, 242

■ 224, 252, 255

■ 224, 251, 255

Harmonies

Analogous

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



135, 123, 255



224, 85, 212



255, 56, 144

Triad

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



224, 85, 212



38, 171, 0



0, 95, 211

Complementary

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



224, 85, 212



85, 213, 224

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, 95, 172



224, 85, 212



0, 158, 57

Square

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



224, 85, 212



224, 220, 0



0, 120, 168



0, 101, 255

Rectangle

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



224, 85, 212



255, 64, 99



0, 120, 168



0, 90, 189

Sweetspot

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



224, 85, 212



255, 207, 251



97, 85, 224



128, 98, 125



0, 0, 0



128, 128, 128

Same Dimension

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



224, 85, 212



255, 66, 239



224, 85, 143



112, 101, 111



176, 0, 161



48, 0, 44

Inverse Universe

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



224, 85, 212



255, 66, 239



85, 173, 224



112, 101, 111



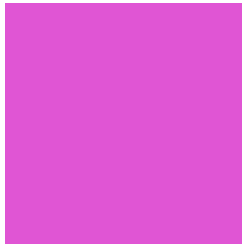
176, 0, 161



48, 0, 44

Previews

White Background



This preview shows how the RYB color 224, 85, 212 looks on a white background.

Color Contrast Check

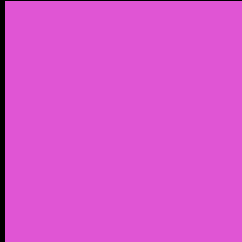
Large Text (above 18pt) WCAG AA ✓ Pass

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 224, 85, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

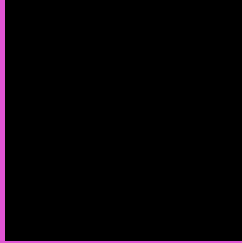
Any Text WCAG AA ✓ Pass

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 224, 85, 212 Background



This preview shows how black text looks on a background with the RYB color 224, 85, 212.

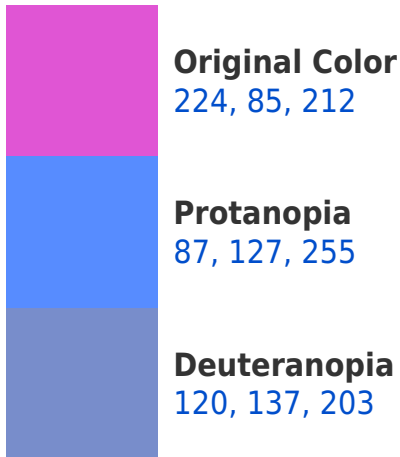



This preview shows how white text looks on a background with the RYB color 224, 85, 212.

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
214, 111, 119

Trichromacy



Original Color

224, 85, 212



Protanomaly

137, 119, 239



Deuteranomaly

158, 121, 206



Tritanomaly

218, 102, 153

Monochromacy



Original Color

224, 85, 212



Achromatopsia

141, 141, 141



Achromatomaly

171, 121, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 224, 85, 212 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(224, 85, 212) looks like.

```
.text, #text, p{  
    color:rgb(224, 85, 212)  
}
```

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(224, 85, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 85, 212) }
```

Border

The CSS property to change the border of an element to RYB 224, 85, 212 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(224, 85, 212) }
```

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

```
.border{ border-color:rgb(224, 85, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 85, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 85, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 85, 212);  
box-shadow:4px 4px 4px 4px rgb(224, 85,  
212) }
```

Background

The CSS property to change the background color of an element to RGB 224, 85, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 85, 212) }
```

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

```
.background{ background-color: rgb(224, 85,  
212) }
```

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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