Converting Colors

RYB(232, 39, 222)

Have a look what the booklet for RYB(232, 39, 222) contains.

Color

RYB(232, 39, 222)

Conversions

Conversions Part 1

Format	Color
Hex	E827DE
RGB	232, 39, 222
RGB Percent	91%, 15%, 87%
CMY	0.0902, 0.8471, 0.1294
CMYK	0.00, 0.83, 0.04, 0.09
HSL	303°, 81%, 53%
HSV	303°, 83%, 91%
XYZ	47.1890, 23.8808, 71.2296
YIQ	117.5690, 56.2850, 97.8290

Conversions

Conversions Part 2

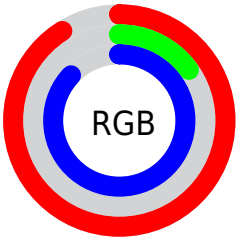
Format	Color
RYB	232, 39, 222
Decimal	15214558
CIELab	55.97, 85.71, -49.54
CIELCh	56, 98.994, 329.974
Yxy	23.8808, 0.3316, 0.1678
Android (android.graphics.Color)	4293404638 (0xFFE827DE)
YUV	117.5690, 51.4845, 100.3560
Hunter-Lab	48.8680, 86.8485, -52.2131

Details

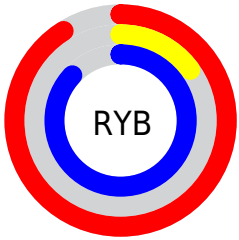
The RYB color 232, 39, 222 is a light color, and the websafe version is hex CC00CC. The color can be described as light washed magenta. A complement of this color would be 39, 222, 232, and the grayscale version is 117, 117, 117.

A 20% lighter version of the original color is 255, 111, 255, and 172, 0, 166 is the 20% darker color. If you saturate the color by 10%, you get 232, 16, 221, and if you desaturate by 10%, it is 232, 62, 223.

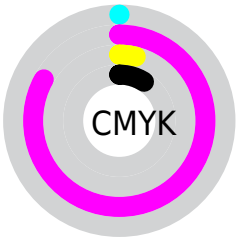
Distribution



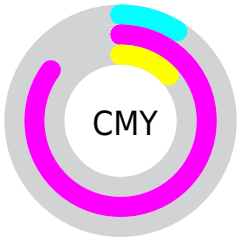
- Red (91%)
- Green (15%)
- Blue (87%)



- Red (91%)
- Yellow (15%)
- Blue (87%)



- Cyan (0%)
- Magenta (83%)
- Yellow (4%)
- Black (9%)



- Cyan (9%)
- Magenta (85%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 232, 39, 222 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 232, 39, 222 by changing the saturation by 10% instead.

232, 39, 222

255, 255, 255

255, 111, 255

255, 142, 255

255, 172, 255

255, 203, 255

255, 233, 255

232, 39, 222

202, 0, 194

172, 0, 166

142, 0, 139

113, 0, 113

84, 0, 88

57, 0, 64

25, 0, 40

0, 1, 18

0, 0, 0

232, 39, 222

232, 16, 221

232, 0, 220

232, 39, 222

232, 62, 223

232, 85, 224

232, 109, 226

232, 132, 227

232, 155, 228

232, 178, 229

232, 201, 230

232, 225, 232

232, 247, 248

Harmonies

Analogous

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

109, 110, 255

232, 39, 222

255, 0, 138

Triad

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

232, 39, 222

41, 164, 0

0, 95, 219

Complementary

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

232, 39, 222

39, 222, 232

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, 94, 168

232, 39, 222

0, 153, 80

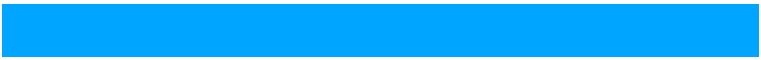
Square

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

232, 39, 222

228, 151, 0

0, 135, 163



0, 100, 255

Rectangle

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

232, 39, 222

255, 0, 82

0, 135, 163

0, 90, 191

Sweetspot

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

232, 39, 222

255, 191, 252

49, 39, 232

128, 89, 126

0, 0, 0

128, 128, 128

Same Dimension

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

232, 39, 222

255, 0, 242

232, 39, 126

115, 103, 114

179, 0, 169

51, 0, 48

Inverse Universe

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

232, 39, 222

255, 0, 242

39, 164, 232

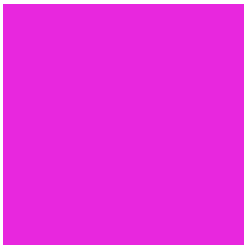
115, 103, 114

179, 0, 169

51, 0, 48

Previews

White Background

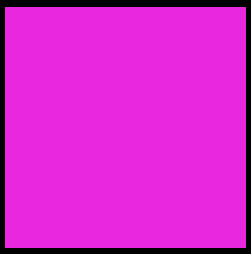


This preview shows how the RYB color 232, 39, 222 looks on a white background.

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



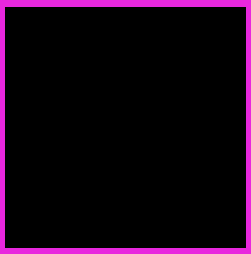
This preview shows how the RYB color 232, 39, 222 looks on a black background.

Color Contrast Check

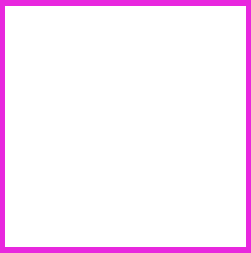
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 232, 39, 222 Background



This preview shows how black text looks on a background with the RYB color 232, 39, 222.

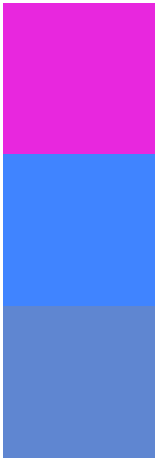


This preview shows how white text looks on a background with the RYB color 232, 39, 222.

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



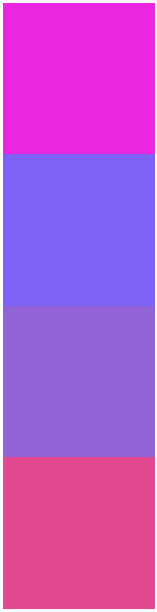
Original Color
232, 39, 222

Protanopia
64, 114, 255

Deuteranopia
95, 124, 209

Tritanopia
219, 93, 99

Trichromacy



Original Color
232, 39, 222

Protanomaly
125, 98, 243

Deuteranomaly
145, 99, 214

Tritanomaly
224, 73, 144

Monochromacy

Original Color
232, 39, 222

Achromatopsia
118, 118, 118

Achromatomaly
159, 89, 156

CSS Examples

Text

The CSS property to change the color of the text to RYB 232, 39, 222 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(232, 39, 222) looks like.

```
.text, #text, p{
    color:rgb(232, 39, 222)
}
```

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(232, 39, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 39, 222) }
```

Border

The CSS property to change the border of an element to RYB 232, 39, 222 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(232, 39, 222) }
```

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

```
.border{ border-color:rgb(232, 39, 222) }
```

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

Here you see how a box with a 4 pixel rgb(232, 39, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 39, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 39, 222); box-shadow:4px 4px 4px 4px rgb(232, 39, 222) }
```

Background

The CSS property to change the background color of an element to RYB 232, 39, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(232, 39, 222) }
```

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

```
.background{ background-color:rgb(232, 39,
222) }
```

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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