

Converting Colors

`RYB(237, 69, 225)`

Have a look what the booklet for
RYB(237, 69, 225) contains.

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Color

`RYB(237, 69, 225)`

Conversions

Conversions Part 1

Format	Color
Hex	ED45E1
RGB	237, 69, 225
RGB Percent	93%, 27%, 88%
CMY	0.0706, 0.7294, 0.1176
CMYK	0.00, 0.71, 0.05, 0.07
HSL	304°, 82%, 60%
HSV	304°, 71%, 93%
XYZ	50.6438, 27.6970, 73.9110
YIQ	137.0160, 50.0520, 84.1320

Conversions

Conversions Part 2

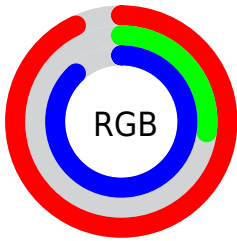
Format	Color
R _Y B	237, 69, 225
Decimal	15549921
CIE Lab	59.61, 79.43, -45.40
CIE LCh	60, 91.490, 330.248
Yxy	27.6970, 0.3326, 0.1819
Android (android.graphics.Color)	4293740001 (0xFFED45E1)
YUV	137.0160, 43.3761, 87.6860
Hunter-Lab	52.6280, 79.6713, -46.4277

Details

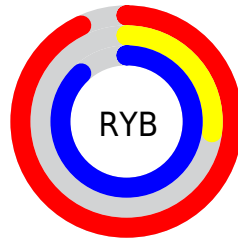
The RYB color **237, 69, 225** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **69, 226, 237**, and the grayscale version is **137, 137, 137**.

A 20% lighter version of the original color is **255, 131, 255**, and **177, 0, 169** is the 20% darker color. If you saturate the color by 10%, you get **237, 45, 223**, and if you desaturate by 10%, it is **237, 93, 227**.

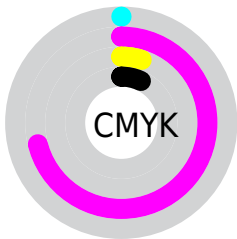
Distribution



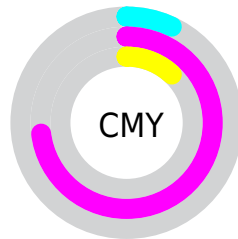
- Red (93%)
- Green (27%)
- Blue (88%)



- Red (93%)
- Yellow (27%)
- Blue (88%)



- Cyan (0%)
- Magenta (71%)
- Yellow (5%)
- Black (7%)



- Cyan (7%)
- Magenta (73%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 237, 69, 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 237, 69, 225 by changing the saturation by 10% instead.



237, 69, 225



237, 69, 225

255, 255, 255



207, 28, 197



255, 131, 255



177, 0, 169



255, 161, 255



148, 0, 142



255, 191, 255



119, 0, 116



255, 221, 255



90, 0, 91



255, 251, 255



65, 0, 67



34, 0, 43



0, 1, 21



0, 0, 0

 237, 69, 225

 237, 69, 225

 237, 45, 223

 237, 93, 227


 237, 22, 222

 237, 116, 228

 237, 0, 220

 237, 140, 230

 237, 164, 232

 237, 187, 233

 237, 211, 235

 237, 235, 237

 237, 253, 255

 237, 252, 255

Harmonies

Analogous

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



129, 121, 255



237, 69, 225



255, 0, 147

Triad

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



237, 69, 225



39, 173, 0



0, 99, 223

Complementary

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



237, 69, 225



69, 226, 237

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, 98, 177



237, 69, 225



0, 162, 71

Square

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



237, 69, 225



235, 193, 0



0, 130, 172



0, 102, 255

Rectangle

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



237, 69, 225



255, 27, 94



0, 130, 172



0, 93, 197

Sweetspot

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



237, 69, 225



255, 201, 251



80, 69, 237



128, 96, 125



0, 0, 0



128, 128, 128

Same Dimension

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



237, 69, 225



255, 38, 240



237, 69, 142



117, 106, 116



181, 0, 168



54, 0, 50

Inverse Universe

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



237, 69, 225



255, 38, 240



69, 176, 237



117, 106, 116



181, 0, 168



54, 0, 50

Previews

White Background



This preview shows how the RYB color 237, 69, 225 looks on a white background.

Color Contrast Check

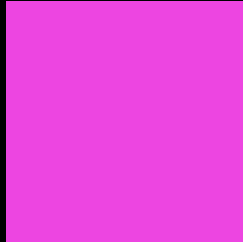
Large Text (above 18pt) WCAG AA ✓ Pass

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 237, 69, 225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

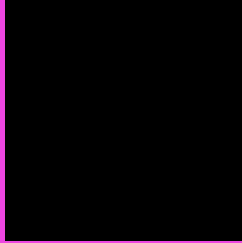
Any Text WCAG AA ✓ Pass

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](#).

RYB 237, 69, 225 Background



This preview shows how black text looks on a background with the RYB color 237, 69, 225.

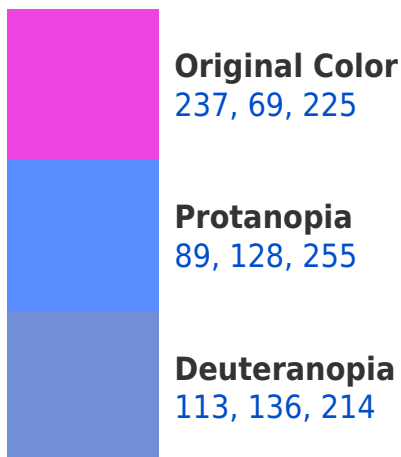



This preview shows how white text looks on a background with the RYB color 237, 69, 225.

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





Tritanopia
225, 106, 113

Trichromacy



Original Color

237, 69, 225



Protanomaly

143, 114, 244



Deuteranomaly

158, 116, 218



Tritanomaly

229, 93, 154

Monochromacy



Original Color

237, 69, 225



Achromatopsia

137, 137, 137



Achromatomaly

173, 112, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 237, 69, 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(237, 69, 225)` looks like.

```
.text, #text, p{  
    color:rgb(237, 69, 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(237, 69, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 69, 225) }
```

Border

The CSS property to change the border of an element to RYB 237, 69, 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(237, 69, 225) }
```

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

```
.border{ border-color:rgb(237, 69, 225) }
```

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

Here you see how a box with a 4 pixel rgb(237, 69, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 69, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 69, 225);  
box-shadow:4px 4px 4px 4px rgb(237, 69,  
225) }
```

Background

The CSS property to change the background color of an element to RGB 237, 69, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 69, 225) }
```

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

```
.background{ background-color: rgb(237, 69,  
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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