Converting Colors

RYB(226, 132, 245)

Have a look what the booklet for RYB(226, 132, 245) contains.

Color

RYB(226, 132, 245)

Conversions

Conversions Part 1

Format	Color
Hex	E284F5
RGB	226, 132, 245
RGB Percent	89%, 52%, 96%
CMY	0.1137, 0.4824, 0.0392
CMYK	0.08, 0.46, 0.00, 0.04
HSL	290°, 85%, 74%
HSV	290°, 46%, 96%
XYZ	56.0967, 39.2639, 91.0083
YIQ	172.9880, 19.7510, 55.0710

Conversions

Conversions Part 2

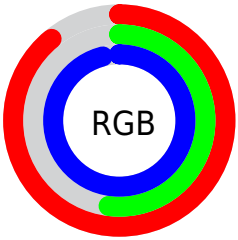
Format	Color
RYB	226, 132, 245
Decimal	14845173
CIELab	68.94, 53.28, -41.94
CIELCh	69, 67.808, 321.788
Yxy	39.2639, 0.3010, 0.2107
Android (android.graphics.Color)	4293035253 (0xFFE284F5)
YUV	172.9880, 35.5019, 46.4915
Hunter-Lab	62.6609, 50.1444, -42.2498

Details

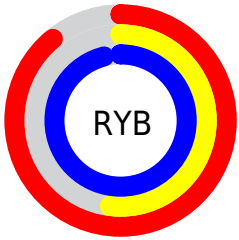
The RYB color 226, 132, 245 is a light color, and the websafe version is hex FF99FF. A complement of this color would be 132, 245, 226, and the grayscale version is 173, 173, 173.

A 20% lighter version of the original color is 255, 187, 255, and 169, 79, 188 is the 20% darker color. If you saturate the color by 10%, you get 222, 108, 245, and if you desaturate by 10%, it is 230, 157, 245.

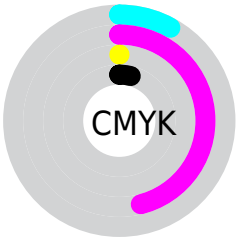
Distribution



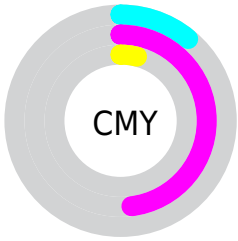
- Red (89%)
- Green (52%)
- Blue (96%)



- Red (89%)
- Yellow (52%)
- Blue (96%)



- Cyan (8%)
- Magenta (46%)
- Yellow (0%)
- Black (4%)



- Cyan (11%)
- Magenta (48%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 226, 132, 245 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 226, 132, 245 by changing the saturation by 10% instead.

226, 132, 245

255, 255, 255

255, 187, 255

255, 216, 255

255, 245, 255

226, 132, 245

197, 105, 216

169, 79, 188

141, 52, 161

113, 21, 134

87, 0, 109

60, 0, 84

38, 0, 60

0, 0, 37

0, 1, 13

226, 132, 245

222, 108, 245

218, 83, 245

214, 59, 245

210, 34, 245

205, 10, 245

204, 0, 245

226, 132, 245

230, 157, 245

234, 181, 245

238, 206, 245

242, 230, 245

245, 255, 253

245, 255, 249

245, 255, 245

Harmonies

Analogous

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

137, 156, 255

226, 132, 245

255, 111, 188

Triad

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

226, 132, 245

111, 214, 32

0, 102, 212

Complementary

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

226, 132, 245

132, 245, 226

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, 111, 196

226, 132, 245

39, 178, 61

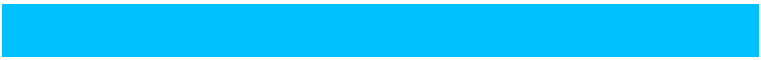
Square

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

226, 132, 245

255, 168, 72

77, 180, 190



0, 110, 255

Rectangle

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

226, 132, 245

255, 109, 146

77, 180, 190

0, 100, 197

Sweetspot

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

226, 132, 245

249, 219, 255

132, 150, 245

124, 106, 128

0, 0, 0

128, 128, 128

Same Dimension

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

226, 132, 245

231, 115, 255

245, 132, 209

120, 110, 122

155, 0, 186

49, 0, 59

Inverse Universe

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

245, 132, 151

255, 115, 138

132, 218, 245

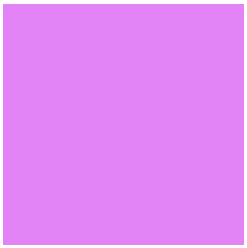
122, 110, 112

186, 0, 31

59, 0, 10

Previews

White Background

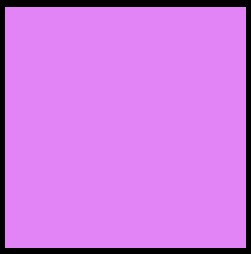


This preview shows how the RYB color 226, 132, 245 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

Black Background



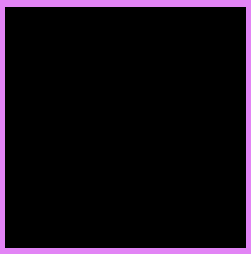
This preview shows how the RYB color 226, 132, 245 looks on a black background.

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 ✓ Pass

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

RYB 226, 132, 245 Background



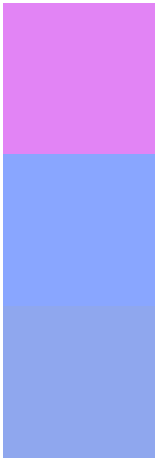
This preview shows how black text looks on a background with the RYB color 226, 132, 245.

This preview shows how white text looks on a background with the RYB color 226, 132, 245.

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



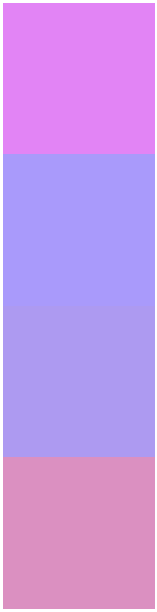
Original Color
226, 132, 245

Protanopia
137, 160, 255

Deuteranopia
143, 162, 238

Tritanopia
215, 151, 163

Trichromacy



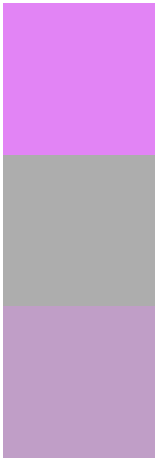
Original Color
226, 132, 245

Protanomaly
169, 154, 251

Deuteranomaly
173, 154, 241

Tritanomaly
219, 144, 193

Monochromacy



Original Color
226, 132, 245

Achromatopsia
173, 173, 173

Achromatomaly
192, 158, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 226, 132, 245 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(226, 132, 245) looks like.

```
.text, #text, p{
    color:rgb(226, 132, 245)
}
```

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(226, 132, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 132, 245) }
```

Border

The CSS property to change the border of an element to RYB 226, 132, 245 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(226, 132, 245) }
```

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

```
.border{ border-color:rgb(226, 132, 245) }
```

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

Here you see how a box with a 4 pixel rgb(226, 132, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 132, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 132, 245); box-shadow:4px 4px 4px 4px rgb(226, 132, 245) }
```

Background

The CSS property to change the background color of an element to RYB 226, 132, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(226, 132, 245) }
```

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

```
.background{ background-color:rgb(226,
132, 245) }
```

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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