

Converting Colors

`RYB(226, 113, 224)`

Have a look what the booklet for
RYB(226, 113, 224) contains.

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Color

R_YB(226, 113, 224)

Conversions

Conversions Part 1

Format	Color
Hex	E271E0
RGB	226, 113, 224
RGB Percent	89%, 44%, 88%
CMY	0.1137, 0.5569, 0.1216
CMYK	0.00, 0.50, 0.01, 0.11
HSL	301°, 66%, 66%
HSV	301°, 50%, 89%
XYZ	50.7237, 33.3608, 74.2869
YIQ	159.4410, 31.7170, 58.4770

Conversions

Conversions Part 2

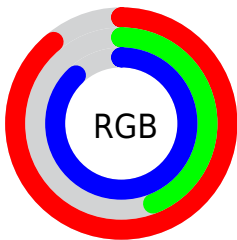
Format	Color
R _Y B	226, 113, 224
Decimal	14840288
CIE Lab	64.45, 58.79, -37.36
CIE LCh	64, 69.655, 327.566
Yxy	33.3608, 0.3203, 0.2106
Android (android.graphics.Color)	4293030368 (0xFFE271E0)
YUV	159.4410, 31.8276, 58.3722
Hunter-Lab	57.7588, 55.6804, -35.8250

Details

The RYB color **226, 113, 224** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **113, 224, 226**, and the grayscale version is **159, 159, 159**.

A 20% lighter version of the original color is **255, 169, 255**, and **168, 57, 168** is the 20% darker color. If you saturate the color by 10%, you get **226, 90, 224**, and if you desaturate by 10%, it is **226, 136, 224**.

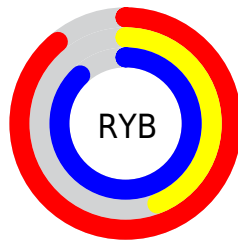
Distribution



Red (89%)

Green (44%)

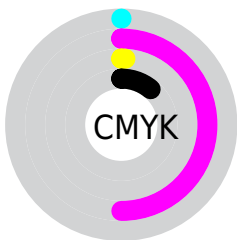
Blue (88%)



Red (89%)

Yellow (44%)

Blue (88%)

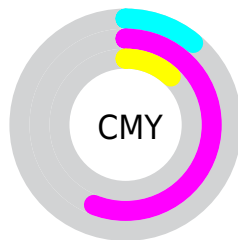


Cyan (0%)

Magenta (50%)

Yellow (1%)

Black (11%)



Cyan (11%)

Magenta (56%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 226, 113, 224 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, 113, 224 by changing the saturation by 10% instead.


 226, 113, 224

255, 255, 255

 255, 169, 255

 255, 197, 255

 255, 226, 255

 226, 113, 224

 197, 86, 196

 168, 57, 168

 140, 25, 142

 113, 0, 116

 86, 0, 91

 60, 0, 67


 34, 0, 44


 0, 1, 22

 0, 0, 0

 226, 113, 224

 226, 113, 224

 226, 90, 224


 226, 136, 224

 226, 68, 223

 226, 158, 225

 226, 45, 223

 226, 181, 225

 226, 23, 222

 226, 203, 226

 226, 0, 222

 226, 226, 226

 226, 249, 249

 226, 254, 255

 226, 253, 255

Harmonies

Analogous

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



145, 142, 255



226, 113, 224



255, 93, 164

Triad

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



226, 113, 224



49, 191, 0



0, 99, 212

Complementary

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



226, 113, 224



113, 224, 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, 102, 185



226, 113, 224



27, 169, 66

Square

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



226, 113, 224



237, 184, 48



16, 131, 180



0, 105, 255

Rectangle

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



226, 113, 224



255, 95, 122



16, 131, 180



0, 94, 192

Sweetspot

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



226, 113, 224



255, 217, 254



115, 113, 226



128, 105, 127



0, 0, 0



128, 128, 128

Same Dimension

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



226, 113, 224



255, 102, 252



226, 113, 168



112, 101, 112



176, 0, 173



48, 0, 48

Inverse Universe

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



226, 113, 224



255, 102, 252



113, 188, 226



112, 101, 112



176, 0, 173



48, 0, 48

Previews

White Background



This preview shows how the RYB color 226, 113, 224 looks on a white background.

Color Contrast Check

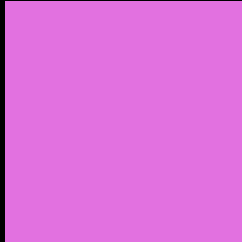
Large Text (above 18pt) WCAG AA × Fail

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, 113, 224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

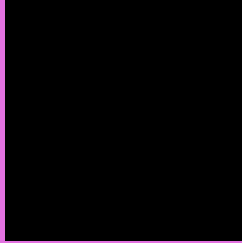
Any Text WCAG AA ✓ Pass

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](#).

R Y B 226, 113, 224 Background



This preview shows how black text looks on a background with the R Y B color 226, 113, 224.

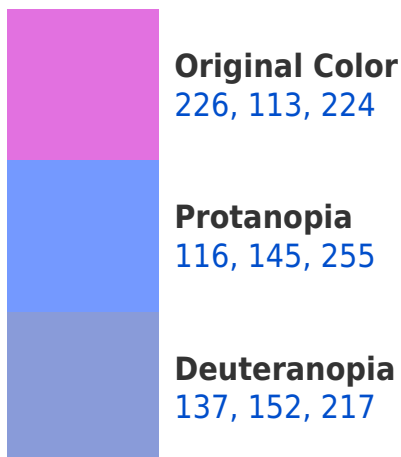



This preview shows how white text looks on a background with the R Y B color 226, 113, 224.

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
216, 133, 143

Trichromacy



Original Color

226, 113, 224



Protanomaly

156, 138, 244



Deuteranomaly

169, 140, 220



Tritanomaly

220, 126, 172

Monochromacy



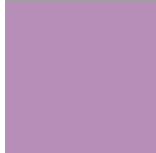
Original Color

226, 113, 224



Achromatopsia

159, 159, 159



Achromatomaly

183, 142, 183

CSS Examples

Text

The CSS property to change the color of the text to RYB 226, 113, 224 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, 113, 224) looks like.

```
.text, #text, p{  
    color:rgb(226, 113, 224)  
}
```

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, 113, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 113, 224) }
```

Border

The CSS property to change the border of an element to RYB 226, 113, 224 is called "border". The border property can be set on classes, ids or directly on the HTML element.

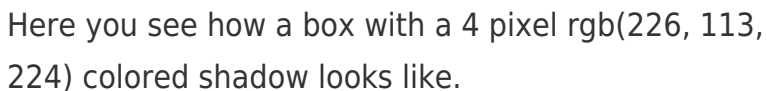
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(226, 113, 224) }
```

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

```
.border{ border-color:rgb(226, 113, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(226, 113, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 113, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 113, 224); box-shadow:4px 4px 4px 4px rgb(226, 113, 224) }
```

Background

The CSS property to change the background color of an element to RYB 226, 113, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 113, 224) }
```

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

```
.background{ background-color: rgb(226,  
113, 224) }
```

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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