

Converting Colors

`RYB(225, 113, 225)`

Have a look what the booklet for
RYB(225, 113, 225) contains.

RYB(225, 113, 225)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(225, 113, 225)

Conversions

Conversions Part 1

Format	Color
Hex	E171E1
RGB	225, 113, 225
RGB Percent	88%, 44%, 88%
CMY	0.1176, 0.5569, 0.1176
CMYK	0.00, 0.50, 0.00, 0.12
HSL	300°, 65%, 66%
HSV	300°, 50%, 88%
XYZ	50.5471, 33.2540, 74.9887
YIQ	159.2560, 30.8000, 58.5760

Conversions

Conversions Part 2

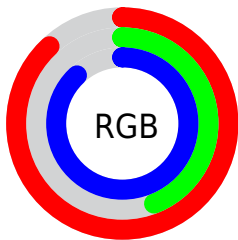
Format	Color
R _Y B	225, 113, 225
Decimal	14774753
CIE Lab	64.37, 58.69, -38.06
CIE LCh	64, 69.949, 327.037
Yxy	33.2540, 0.3183, 0.2094
Android (android.graphics.Color)	4292964833 (0xFFE171E1)
YUV	159.2560, 32.4118, 57.6575
Hunter-Lab	57.6663, 55.5470, -36.7337

Details

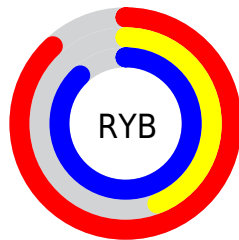
The RYB color **225, 113, 225** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **113, 225, 225**, and the grayscale version is **159, 159, 159**.

A 20% lighter version of the original color is **255, 169, 255**, and **167, 58, 169** is the 20% darker color. If you saturate the color by 10%, you get **225, 91, 225**, and if you desaturate by 10%, it is **225, 136, 225**.

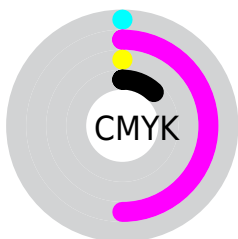
Distribution



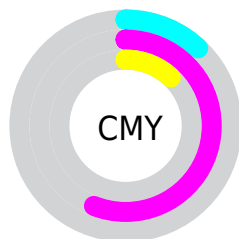
- Red (88%)
- Green (44%)
- Blue (88%)



- Red (88%)
- Yellow (44%)
- Blue (88%)



- Cyan (0%)
- Magenta (50%)
- Yellow (0%)
- Black (12%)



- Cyan (12%)
- Magenta (56%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 225, 113, 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 225, 113, 225 by changing the saturation by 10% instead.

 225, 113, 225

255, 255, 255

 255, 169, 255

 255, 197, 255

 255, 226, 255

 225, 113, 225

 196, 86, 197

 167, 58, 169

 139, 25, 142

 112, 0, 116

 85, 0, 91

 59, 0, 67


 33, 0, 44

 0, 1, 22


 0, 0, 0

 225, 113, 225

 225, 113, 225

 225, 91, 225


 225, 136, 225

 225, 68, 225

 225, 158, 225

 225, 46, 225

 225, 180, 225

 225, 23, 225

 225, 203, 225

 225, 1, 225

 225, 225, 225

 225, 0, 225

 225, 248, 248

 225, 255, 255

Harmonies

Analogous

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



142, 142, 255



225, 113, 225



255, 93, 165

Triad

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



225, 113, 225



51, 191, 0



0, 99, 211

Complementary

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



225, 113, 225



113, 225, 225

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, 184



225, 113, 225



24, 169, 62

Square

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



225, 113, 225



238, 180, 48



20, 134, 180



0, 105, 255

Rectangle

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



225, 113, 225



255, 94, 123



20, 134, 180



0, 94, 191

Sweetspot

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



225, 113, 225



255, 217, 255



113, 113, 225



128, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



225, 113, 225



255, 102, 255



225, 113, 169



112, 101, 112



176, 0, 176



48, 0, 48

Inverse Universe

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



225, 113, 225



255, 102, 255



113, 188, 225



112, 101, 112



176, 0, 176



48, 0, 48

Previews

White Background



This preview shows how the RYB color 225, 113, 225 looks on a white background.

Color Contrast Check

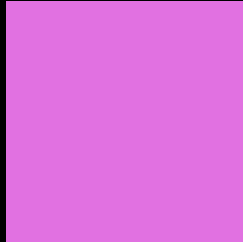
Large Text (above 18pt) WCAG AA × Fail

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 225, 113, 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 225, 113, 225 Background



This preview shows how black text looks on a background with the RYB color 225, 113, 225.

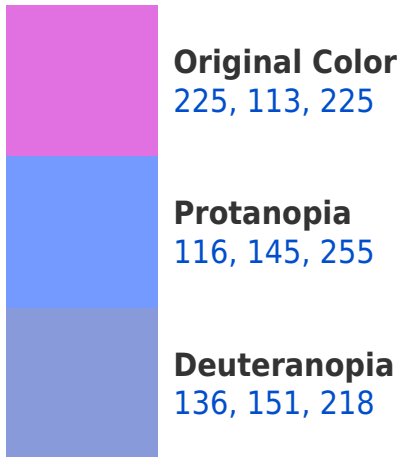



This preview shows how white text looks on a background with the RYB color 225, 113, 225.

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
215, 133, 143

Trichromacy



Original Color

225, 113, 225



Protanomaly

156, 138, 244



Deuteranomaly

168, 140, 221



Tritanomaly

219, 126, 173

Monochromacy



Original Color

225, 113, 225



Achromatopsia

159, 159, 159



Achromatomaly

183, 142, 183

CSS Examples

Text

The CSS property to change the color of the text to RYB 225, 113, 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(225, 113, 225)` looks like.

```
.text, #text, p{  
    color:rgb(225, 113, 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(225, 113, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 113, 225) }
```

Border

The CSS property to change the border of an element to RYB 225, 113, 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(225, 113, 225) }
```

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

```
.border{ border-color:rgb(225, 113, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 113, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 113, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 113, 225);  
box-shadow:4px 4px 4px 4px rgb(225, 113,  
225) }
```

Background

The CSS property to change the background color of an element to RGB 225, 113, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 113, 225) }
```

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

```
.background{ background-color: rgb(225,  
113, 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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