

Converting Colors

`RYB(226, 115, 255)`

Have a look what the booklet for
RYB(226, 115, 255) contains.

RYB(226, 115, 255)	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(226, 115, 255)

Conversions

Conversions Part 1

Format	Color
Hex	E273FF
RGB	226, 115, 255
RGB Percent	89%, 45%, 100%
CMY	0.1137, 0.5490, 0.0000
CMYK	0.11, 0.55, 0.00, 0.00
HSL	288°, 100%, 73%
HSV	288°, 55%, 100%
XYZ	55.5448, 35.6502, 98.5614
YIQ	164.1490, 21.2160, 67.0720

Conversions

Conversions Part 2

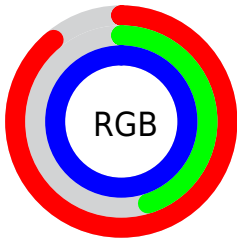
Format	Color
R_{YB}	226, 115, 255
Decimal	14840831
CIE _{Lab}	66.25, 63.49, -51.66
CIE _{LCh}	66, 81.852, 320.870
Yxy	35.6502, 0.2927, 0.1879
Android (android.graphics.Color)	4293030911 (0xFFE273FF)
YUV	164.1490, 44.7895, 54.2433
Hunter-Lab	59.7078, 61.5657, -56.0762

Details

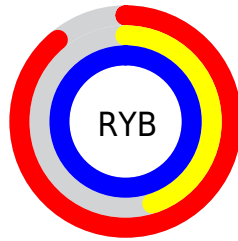
The RYB color **226, 115, 255** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **115, 255, 226**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **255, 171, 255**, and **168, 59, 198** is the 20% darker color. If you saturate the color by 10%, you get **221, 90, 255**, and if you desaturate by 10%, it is **231, 141, 255**.

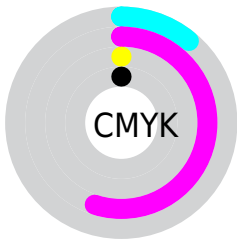
Distribution



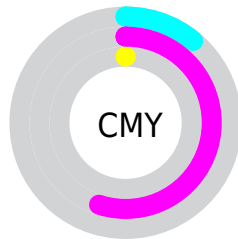
- Red (89%)
- Green (45%)
- Blue (100%)



- Red (89%)
- Yellow (45%)
- Blue (100%)



- Cyan (11%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 226, 115, 255 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, 115, 255 by changing the saturation by 10% instead.


 226, 115, 255

255, 255, 255


 255, 171, 255

 255, 200, 255


 255, 229, 255

 226, 115, 255

 197, 87, 226

 168, 59, 198

 139, 26, 170

 111, 0, 143

 84, 0, 117

 56, 0, 91


 29, 0, 67


 0, 0, 44

 0, 1, 22

 226, 115, 255

 226, 115, 255


 221, 90, 255


 231, 141, 255

 215, 64, 255


 237, 166, 255

 210, 38, 255

 242, 192, 255

 205, 13, 255

 247, 217, 255

 202, 0, 255

 252, 243, 255

255, 255, 255

Harmonies

Analogous

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



104, 140, 255



226, 115, 255



255, 81, 187

Triad

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



226, 115, 255



88, 212, 0



0, 101, 212

Complementary

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



226, 115, 255



115, 255, 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, 113, 192



226, 115, 255



0, 173, 28

Square

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



226, 115, 255



255, 156, 44



25, 158, 186



0, 109, 255

Rectangle

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



226, 115, 255



255, 77, 138



25, 158, 186



0, 99, 194

Sweetspot

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



226, 115, 255



247, 214, 255



115, 140, 255



122, 103, 128



0, 0, 0



128, 128, 128

Same Dimension

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



226, 115, 255



220, 87, 255



255, 115, 215



125, 115, 128



152, 0, 191



51, 0, 64

Inverse Universe

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



255, 115, 144



255, 87, 122



115, 224, 255



128, 115, 117



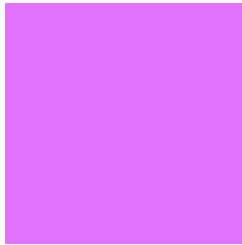
191, 0, 40



64, 0, 13

Previews

White Background



This preview shows how the RYB color 226, 115, 255 looks on a white background.

Color Contrast Check

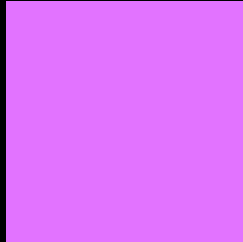
Large Text (above 18pt) WCAG AA × Fail

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, 115, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

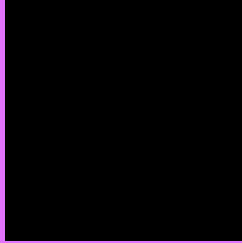
Any Text WCAG AA ✓ Pass

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, 115, 255 Background



This preview shows how black text looks on a background with the RYB color 226, 115, 255.

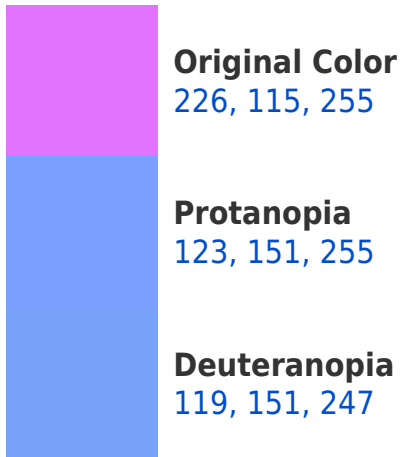


This preview shows how white text looks on a background with the RYB color 226, 115, 255.

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
212, 142, 152

Trichromacy



Original Color

226, 115, 255



Protanomaly

160, 142, 255



Deuteranomaly

158, 144, 250

Tritanomaly

217, 132, 189

Monochromacy



Original Color

226, 115, 255



Achromatopsia

164, 164, 164



Achromatomaly

187, 146, 197

CSS Examples

Text

The CSS property to change the color of the text to RYB 226, 115, 255 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, 115, 255) looks like.

```
.text, #text, p{  
    color:rgb(226, 115, 255)  
}
```

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, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 115, 255) }
```

Border

The CSS property to change the border of an element to RYB 226, 115, 255 is called "border". The border property can be set on classes, ids or directly on the HTML element.

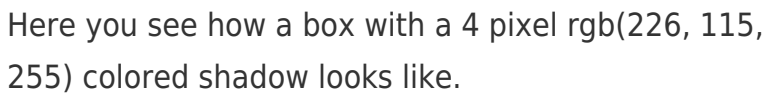
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(226, 115, 255) }
```

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

```
.border{ border-color:rgb(226, 115, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(226, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 115, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 115, 255); box-shadow:4px 4px 4px 4px rgb(226, 115, 255) }
```

Background

The CSS property to change the background color of an element to RYB 226, 115, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 115, 255) }
```

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

```
.background{ background-color: rgb(226,  
115, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor