

Converting Colors

`RYB(227, 74, 242)`

Have a look what the booklet for RYB(227, 74, 242) contains.

RYB(227, 74, 242)	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

`RYB(227, 74, 242)`

Conversions

Conversions Part 1

Format	Color
Hex	E34AF2
RGB	227, 74, 242
RGB Percent	89%, 29%, 95%
CMY	0.1098, 0.7098, 0.0510
CMYK	0.06, 0.69, 0.00, 0.05
HSL	295°, 87%, 62%
HSV	295°, 69%, 95%
XYZ	50.1543, 27.6393, 86.6959
YIQ	138.8990, 37.2600, 84.6840

Conversions

Conversions Part 2

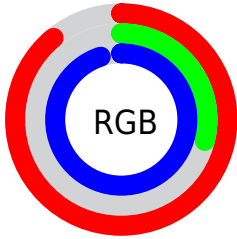
Format	Color
R _{YB}	227, 74, 242
Decimal	14895858
CIE _{Lab}	59.56, 78.35, -55.09
CIE _{LCh}	60, 95.778, 324.885
Yxy	27.6393, 0.3049, 0.1680
Android (android.graphics.Color)	4293085938 (0xFFE34AF2)
YUV	138.8990, 50.8288, 77.2646
Hunter-Lab	52.5731, 78.2850, -60.9714

Details

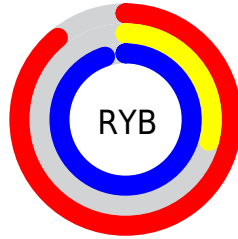
The RYB color **227, 74, 242** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light washed magenta. A complement of this color would be **74, 242, 227**, and the grayscale version is **138, 138, 138**.

A 20% lighter version of the original color is **255, 135, 255**, and **168, 0, 185** is the 20% darker color. If you saturate the color by 10%, you get **225, 50, 242**, and if you desaturate by 10%, it is **229, 98, 242**.

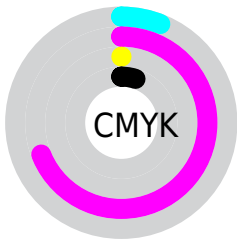
Distribution



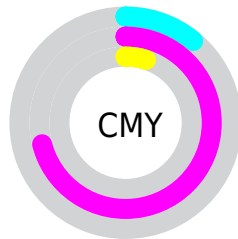
- Red (89%)
- Green (29%)
- Blue (95%)



- Red (89%)
- Yellow (29%)
- Blue (95%)



- Cyan (6%)
- Magenta (69%)
- Yellow (0%)
- Black (5%)



- Cyan (11%)
- Magenta (71%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 227, 74, 242 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 227, 74, 242 by changing the saturation by 10% instead.



227, 74, 242



227, 74, 242

255, 255, 255



197, 38, 213



255, 135, 255



168, 0, 185



255, 164, 255



138, 0, 158



255, 193, 255



110, 0, 131



255, 223, 255



81, 0, 105



255, 253, 255



55, 0, 80



22, 0, 56



0, 2, 33



0, 0, 6

■ 227, 74, 242

■ 227, 74, 242

■ 225, 50, 242

■ 229, 98, 242

■ 223, 26, 242

■ 231, 122, 242

■ 221, 1, 242

■ 233, 147, 242

■ 220, 0, 242

■ 236, 171, 242

■ 238, 195, 242

■ 240, 219, 242

■ 242, 243, 243

■ 242, 255, 253

■ 242, 255, 251

Harmonies

Analogous

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



84, 119, 255



227, 74, 242



255, 0, 162

Triad

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



227, 74, 242



70, 186, 0



0, 97, 213

Complementary

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



227, 74, 242



74, 242, 227

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, 103, 177



227, 74, 242



0, 159, 54

Square

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



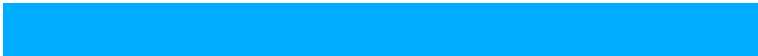
227, 74, 242



247, 152, 0



0, 148, 171



0, 103, 255

Rectangle

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



227, 74, 242



255, 0, 106



0, 148, 171



0, 91, 185

Sweetspot

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



227, 74, 242



250, 201, 255



74, 89, 242



125, 96, 128



0, 0, 0



128, 128, 128

Same Dimension

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



227, 74, 242



236, 43, 255



242, 74, 175



119, 108, 120



167, 0, 184



51, 0, 56

Inverse Universe

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



242, 74, 89



255, 43, 62



74, 194, 242



120, 108, 109



184, 0, 16



56, 0, 5

Previews

White Background



This preview shows how the RYB color 227, 74, 242 looks on a white background.

Color Contrast Check

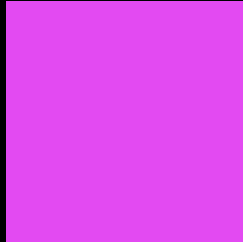
Large Text (above 18pt) WCAG AA ✓ Pass

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 227, 74, 242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

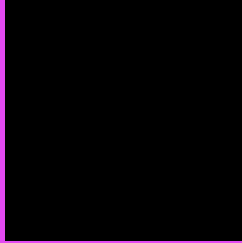
Any Text WCAG AA ✓ Pass

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](#).

R Y B 227, 74, 242 Background



This preview shows how black text looks on a background with the R Y B color 227, 74, 242.

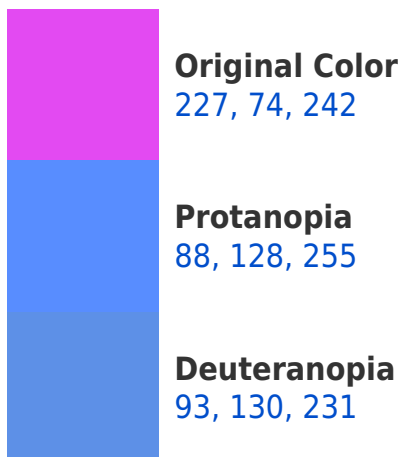



This preview shows how white text looks on a background with the R Y B color 227, 74, 242.

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, 114, 122

Trichromacy



Original Color
227, 74, 242



Protanomaly
139, 116, 250



Deuteranomaly
142, 119, 235



Tritanomaly
217, 99, 166

Monochromacy



Original Color
227, 74, 242



Achromatopsia
139, 139, 139



Achromatomaly
171, 115, 176

CSS Examples

Text

The CSS property to change the color of the text to RYB 227, 74, 242 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(227, 74, 242) looks like.

```
.text, #text, p{  
    color:rgb(227, 74, 242)  
}
```

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(227, 74, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 74, 242) }
```

Border

The CSS property to change the border of an element to RYB 227, 74, 242 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(227, 74, 242) }
```

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

```
.border{ border-color:rgb(227, 74, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 74, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 74, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 74, 242);  
box-shadow:4px 4px 4px 4px rgb(227, 74,  
242) }
```

Background

The CSS property to change the background color of an element to RGB 227, 74, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 74, 242) }
```

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

```
.background{ background-color: rgb(227, 74,  
242) }
```

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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