

Converting Colors

`RYB(175, 15, 255)`

Have a look what the booklet for
RYB(175, 15, 255) contains.

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Color

R_YB(175, 15, 255)

Conversions

Conversions Part 1

Format	Color
Hex	AF0FFF
RGB	175, 15, 255
RGB Percent	69%, 6%, 100%
CMY	0.3137, 0.9412, 0.0000
CMYK	0.31, 0.94, 0.00, 0.00
HSL	280°, 100%, 53%
HSV	280°, 94%, 100%
XYZ	35.9000, 16.6756, 95.9343
YIQ	90.2000, 18.3200, 108.5600

Conversions

Conversions Part 2

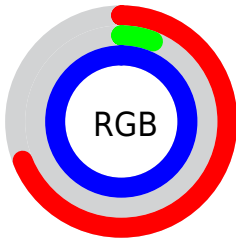
Format	Color
R_{YB}	175, 15, 255
Decimal	11472895
CIE _{Lab}	47.85, 86.22, -81.65
CIE _{LCh}	48, 118.746, 316.559
Yxy	16.6756, 0.2417, 0.1123
Android (android.graphics.Color)	4289662975 (0xFFAF0FFF)
YUV	90.2000, 81.2464, 74.3696
Hunter-Lab	40.8358, 85.4624, -110.7032

Details

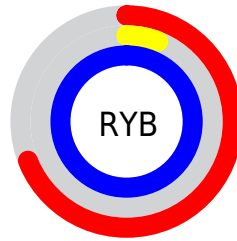
The RYB color **175, 15, 255** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **15, 255, 175**, and the grayscale version is **89, 89, 89**.

A 20% lighter version of the original color is **237, 94, 255**, and **114, 0, 197** is the 20% darker color. If you saturate the color by 10%, you get **170, 0, 255**, and if you desaturate by 10%, it is **184, 41, 255**.

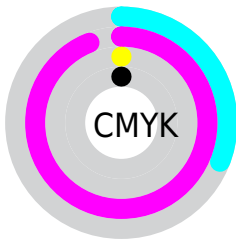
Distribution



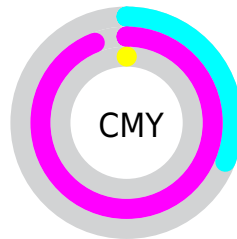
- Red (69%)
- Green (6%)
- Blue (100%)



- Red (69%)
- Yellow (6%)
- Blue (100%)



- Cyan (31%)
- Magenta (94%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (94%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 175, 15, 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 175, 15, 255 by changing the saturation by 10% instead.



175, 15, 255



175, 15, 255

255, 255, 255



144, 0, 226



237, 94, 255



114, 0, 197



255, 125, 255



82, 0, 169



255, 154, 255



46, 0, 141



255, 184, 255



0, 0, 115



255, 214, 255



0, 0, 89



255, 244, 255




0, 6, 64




0, 3, 41




0, 1, 19


 175, 15, 255

 175, 15, 255

 170, 0, 255


 184, 41, 255

 192, 66, 255

 201, 92, 255

 209, 117, 255

 218, 143, 255

 226, 168, 255

 235, 194, 255

 243, 219, 255

 252, 245, 255

Harmonies

Analogous

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



0, 77, 255



175, 15, 255



255, 0, 163

Triad

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



175, 15, 255



158, 175, 0



0, 79, 169

Complementary

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



175, 15, 255



15, 255, 175

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, 146



175, 15, 255



0, 126, 41

Square

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



175, 15, 255



239, 0, 0



0, 140, 140



0, 94, 255

Rectangle

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



175, 15, 255



255, 0, 98



0, 140, 140



0, 78, 148

Sweetspot

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



175, 15, 255



231, 184, 255



15, 75, 255



113, 84, 128



0, 0, 0



128, 128, 128

Same Dimension

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



175, 15, 255



170, 0, 255



255, 15, 215



123, 115, 128



128, 0, 191



43, 0, 64

Inverse Universe

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



255, 15, 95



255, 0, 85



15, 221, 255



128, 115, 119



191, 0, 64



64, 0, 21

Previews

White Background



This preview shows how the RYB color 175, 15, 255 looks on a white background.

Color Contrast Check

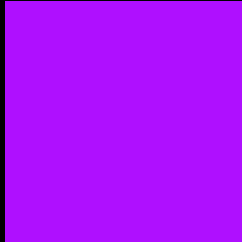
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 175, 15, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

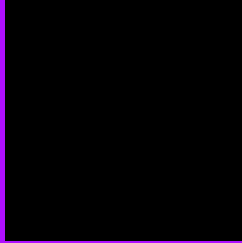
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RYB 175, 15, 255 Background



This preview shows how black text looks on a background with the RYB color 175, 15, 255.

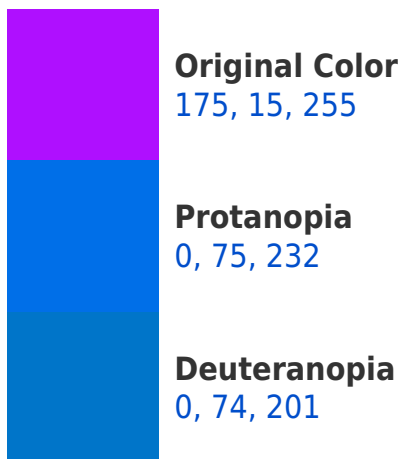


This preview shows how white text looks on a background with the RYB color 175, 15, 255.

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
149, 100, 108

Trichromacy



Original Color

175, 15, 255



Protanomaly

64, 74, 240



Deuteranomaly

64, 79, 221



Tritanomaly

158, 69, 161

Monochromacy



Original Color

175, 15, 255



Achromatopsia

90, 90, 90



Achromatomaly

121, 63, 150

CSS Examples

Text

The CSS property to change the color of the text to RYB 175, 15, 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(175, 15, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 15, 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(175, 15, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 15, 255) }
```

Border

The CSS property to change the border of an element to RYB 175, 15, 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(175, 15, 255) }
```

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

```
.border{ border-color:rgb(175, 15, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 15, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 15, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 15, 255);  
box-shadow:4px 4px 4px 4px rgb(175, 15,  
255) }
```

Background

The CSS property to change the background color of an element to RGB 175, 15, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 15, 255) }
```

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

```
.background{ background-color: rgb(175, 15,  
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](#).

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