

Converting Colors

`RYB(228, 0, 250)`

Have a look what the booklet for
RYB(228, 0, 250) contains.

RYB(228, 0, 250)	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(228, 0, 250)

Conversions

Conversions Part 1

Format	Color
Hex	E400FA
RGB	228, 0, 250
RGB Percent	89%, 0%, 98%
CMY	0.1059, 1.0000, 0.0196
CMYK	0.09, 1.00, 0.00, 0.02
HSL	295°, 100%, 49%
HSV	295°, 100%, 98%
XYZ	49.2502, 23.3961, 92.3626
YIQ	96.6720, 55.6380, 126.0860

Conversions

Conversions Part 2

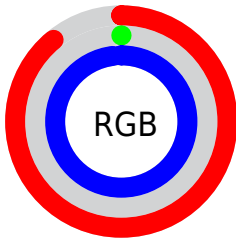
Format	Color
R_{YB}	228, 0, 250
Decimal	14942458
CIE _{Lab}	55.48, 93.50, -66.09
CIE _{LCh}	55, 114.502, 324.748
Yxy	23.3961, 0.2985, 0.1418
Android (android.graphics.Color)	4293132538 (0xFFE400FA)
YUV	96.6720, 75.5907, 115.1747
Hunter-Lab	48.3695, 97.1034, -79.3568

Details

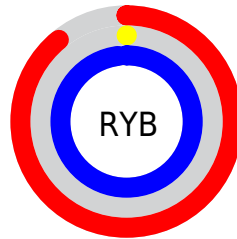
The RYB color **228, 0, 250** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **0, 250, 228**, and the grayscale version is **96, 96, 96**.

A 20% lighter version of the original color is **255, 100, 255**, and **167, 0, 192** is the 20% darker color. If you saturate the color by 10%, you get **228, 0, 250**, and if you desaturate by 10%, it is **230, 25, 250**.

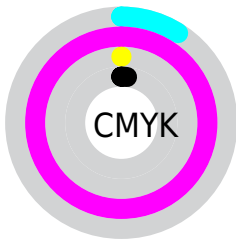
Distribution



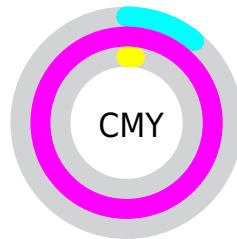
- Red (89%)
- Green (0%)
- Blue (98%)



- Red (89%)
- Yellow (0%)
- Blue (98%)



- Cyan (9%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)



- Cyan (11%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 0, 250 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 228, 0, 250 by changing the saturation by 10% instead.



228, 0, 250



228, 0, 250

255, 255, 255



197, 0, 221



255, 100, 255



167, 0, 192



255, 132, 255



137, 0, 165



255, 164, 255



107, 0, 137



255, 194, 255



77, 0, 111



255, 225, 255



48, 0, 86



8, 0, 61



0, 3, 38





0, 1, 15

 228, 0, 250


 230, 25, 250

 232, 50, 250

 235, 75, 250

 237, 100, 250

 239, 125, 250

 241, 150, 250

 243, 175, 250

 246, 200, 250

 248, 225, 250

Harmonies

Analogous

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



0, 79, 255



228, 0, 250



255, 0, 155

Triad

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



228, 0, 250



76, 177, 0



0, 95, 215

Complementary

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



228, 0, 250



0, 250, 228

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, 101, 168



228, 0, 250



0, 151, 74

Square

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



228, 0, 250



247, 88, 0



0, 163, 163



0, 101, 255

Rectangle

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



228, 0, 250



255, 0, 90



0, 163, 163



0, 88, 181

Sweetspot

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



228, 0, 250



248, 179, 255



0, 23, 250



123, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



228, 0, 250



233, 0, 255



250, 0, 150



124, 112, 125



172, 0, 189



56, 0, 61

Inverse Universe

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



250, 0, 22



255, 0, 22



0, 179, 250



125, 112, 114



189, 0, 17



61, 0, 5

Previews

White Background



This preview shows how the RYB color 228, 0, 250 looks on a white background.

Color Contrast Check

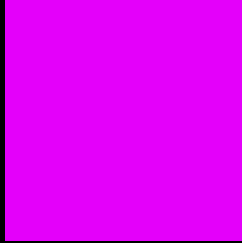
Large Text (above 18pt) WCAG AA ✓ Pass

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 228, 0, 250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

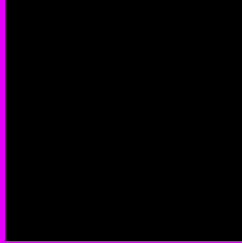
Any Text WCAG AA ✓ Pass

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 228, 0, 250 Background



This preview shows how black text looks on a background with the R Y B color 228, 0, 250.

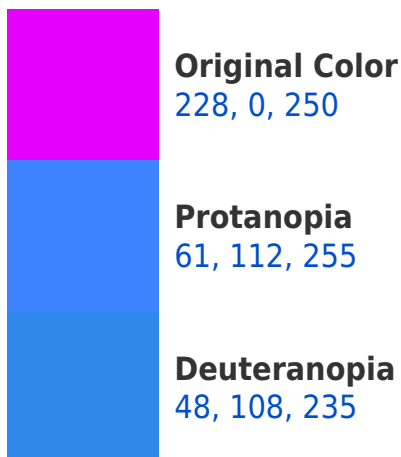


This preview shows how white text looks on a background with the R Y B color 228, 0, 250.

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
210, 98, 105

Trichromacy



Original Color

228, 0, 250



Protanomaly

122, 83, 253



Deuteranomaly

113, 87, 240



Tritanomaly

217, 62, 158

Monochromacy



Original Color

228, 0, 250



Achromatopsia

97, 97, 97



Achromatomaly

145, 62, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 0, 250 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(228, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(228, 0, 250)  
}
```

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(228, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 0, 250) }
```

Border

The CSS property to change the border of an element to RYB 228, 0, 250 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(228, 0, 250) }
```

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

```
.border{ border-color:rgb(228, 0, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 0, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(228, 0,  
250) }
```

Background

The CSS property to change the background color of an element to RGB 228, 0, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 0, 250) }
```

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

```
.background{ background-color: rgb(228, 0,  
250) }
```

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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