

Converting Colors

`RYB(226, 0, 154)`

Have a look what the booklet for
RYB(226, 0, 154) contains.

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Color

R_YB(226, 0, 154)

Conversions

Conversions Part 1

Format	Color
Hex	E2009A
RGB	226, 0, 154
RGB Percent	89%, 0%, 60%
CMY	0.1137, 1.0000, 0.3961
CMYK	0.00, 1.00, 0.32, 0.11
HSL	319°, 100%, 44%
HSV	319°, 100%, 89%
XYZ	37.1968, 18.5018, 32.1826
YIQ	85.1300, 85.2620, 95.8060

Conversions

Conversions Part 2

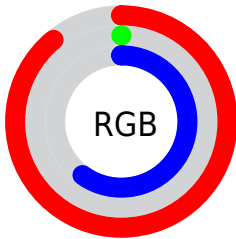
Format	Color
RYB	226, 0, 154
Decimal	14811290
CIELab	50.10, 80.82, -19.26
CIElCh	50, 83.081, 346.596
Yxy	18.5018, 0.4233, 0.2105
Android (android.graphics.Color)	4293001370 (0xFFE2009A)
YUV	85.1300, 33.9529, 123.5430
Hunter-Lab	43.0138, 79.0863, -14.2507

Details

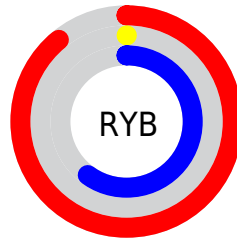
The RYB color **226, 0, 154** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **0, 171, 226**, and the grayscale version is **85, 85, 85**.

A 20% lighter version of the original color is **255, 95, 209**, and **165, 0, 103** is the 20% darker color. If you saturate the color by 10%, you get **226, 0, 154**, and if you desaturate by 10%, it is **226, 23, 161**.

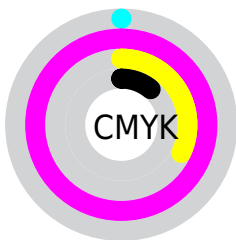
Distribution



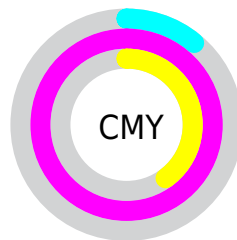
- Red (89%)
- Green (0%)
- Blue (60%)



- Red (89%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (11%)



- Cyan (11%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 226, 0, 154 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, 0, 154 by changing the saturation by 10% instead.

 226, 0, 154

 226, 0, 154

255, 255, 255

 195, 0, 128

 255, 95, 209

 165, 0, 103

 255, 126, 237

 135, 0, 79

 255, 156, 255

 105, 0, 56

 255, 186, 255

 78, 0, 34

 255, 217, 255

 48, 0, 7

 255, 247, 255

 0, 0, 0

 226, 0, 154

 226, 23, 161

■ 226, 45, 168

■ 226, 68, 176

■ 226, 90, 183

■ 226, 113, 190

■ 226, 136, 197

■ 226, 158, 204

■ 226, 181, 212

■ 226, 203, 219

Harmonies

Analogous

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



168, 76, 218



226, 0, 154



239, 0, 84

Triad

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



226, 0, 154



0, 128, 19



0, 88, 222

Complementary

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



226, 0, 154



0, 171, 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, 76, 158



226, 0, 154



0, 141, 141

Square

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



226, 0, 154



107, 171, 0



0, 93, 146



0, 89, 255

Rectangle

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



226, 0, 154



227, 47, 38



0, 93, 146



0, 86, 203

Sweetspot

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



226, 0, 154



255, 179, 231



72, 0, 226



128, 82, 113



0, 0, 0



128, 128, 128

Same Dimension

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



226, 0, 154



255, 0, 174



226, 0, 41



112, 101, 109



176, 0, 120



48, 0, 33

Inverse Universe

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



226, 0, 154



255, 0, 174



0, 124, 226



112, 101, 109



176, 0, 120



48, 0, 33

Previews

White Background



This preview shows how the RYB color 226, 0, 154 looks on a white background.

Color Contrast Check

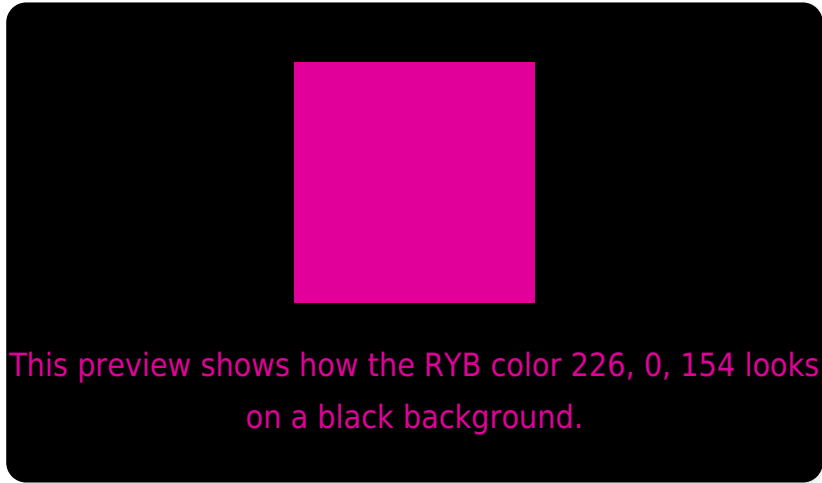
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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_YB 226, 0, 154 Background



This preview shows how black text looks on a background with the R_YB color 226, 0, 154.



This preview shows how white text looks on a background with the R_YB color 226, 0, 154.

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



Original Color

226, 0, 154

Protanopia

71, 107, 220

Deuteranopia

122, 118, 144



Tritanopia
220, 61, 63

Trichromacy



Original Color

226, 0, 154



Protanomaly

127, 75, 196



Deuteranomaly

160, 75, 148



Tritanomaly

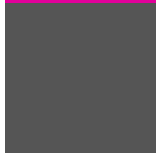
222, 39, 96

Monochromacy



Original Color

226, 0, 154



Achromatopsia

85, 85, 85



Achromatomaly

136, 54, 110

CSS Examples

Text

The CSS property to change the color of the text to RYB 226, 0, 154 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, 0, 154)` looks like.

```
.text, #text, p{  
    color:rgb(226, 0, 154)  
}
```

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, 0, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 0, 154) }
```

Border

The CSS property to change the border of an element to RYB 226, 0, 154 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, 0, 154) }
```

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

```
.border{ border-color:rgb(226, 0, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 0, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 0, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 0, 154);  
box-shadow:4px 4px 4px 4px rgb(226, 0,  
154) }
```

Background

The CSS property to change the background color of an element to RGB 226, 0, 154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 0, 154) }
```

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

```
.background{ background-color: rgb(226, 0,  
154) }
```

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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