

# Converting Colors

`RYB(225, 155, 204)`

Have a look what the booklet for  
RYB(225, 155, 204) contains.

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# Color

**R<sub>Y</sub>B(225, 155, 204)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E19BCC
RGB	225, 155, 204
RGB Percent	88%, 61%, 80%
CMY	0.1176, 0.3922, 0.2000
CMYK	0.00, 0.31, 0.09, 0.12
HSL	318°, 54%, 75%
HSV	318°, 31%, 88%
XYZ	53.6718, 43.8099, 62.7541
YIQ	181.5160, 25.9910, 30.0790

# Conversions

## Conversions Part 2

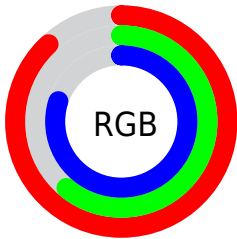
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">225, 155, 204</a>
Decimal	<a href="#">14785484</a>
CIELab	<a href="#">72.10, 33.53, -14.54</a>
CIELCh	<a href="#">72, 36.546, 336.554</a>
Yxy	<a href="#">43.8099, 0.3350, 0.2734</a>
Android (android.graphics.Color)	<a href="#">4292975564 (0xFFE19BCC)</a>
YUV	<a href="#">181.5160, 11.0846, 38.1355</a>
Hunter-Lab	<a href="#">66.1890, 28.9124, -9.8808</a>

# Details

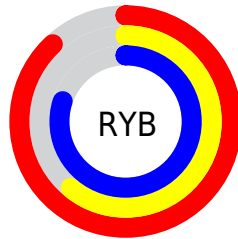
The RYB color **225, 155, 204** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **155, 209, 225**, and the grayscale version is **181, 181, 181**.

A 20% lighter version of the original color is **255, 210, 255**, and **169, 103, 150** is the 20% darker color. If you saturate the color by 10%, you get **225, 132, 197**, and if you desaturate by 10%, it is **225, 178, 211**.

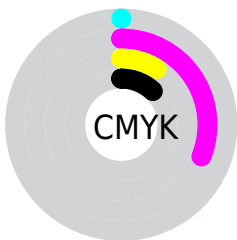
# Distribution



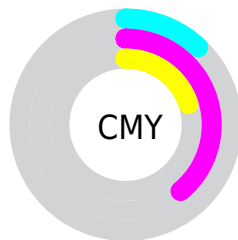
- Red (88%)
- Green (61%)
- Blue (80%)



- Red (88%)
- Yellow (61%)
- Blue (80%)



- Cyan (0%)
- Magenta (31%)
- Yellow (9%)
- Black (12%)



- Cyan (12%)
- Magenta (39%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 225, 155, 204 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 225, 155, 204 by changing the saturation by 10% instead.




 225, 155, 204


255, 255, 255

 255, 210, 255


 255, 239, 255

 225, 155, 204

 197, 128, 177

 169, 103, 150

 142, 78, 124

 115, 53, 99

 89, 29, 75

 65, 3, 52


 43, 0, 31

 0, 0, 2

 0, 0, 0

 225, 155, 204

 225, 155, 204

 225, 132, 197


 225, 178, 211

 225, 110, 191

 225, 200, 218

 225, 87, 184

 225, 222, 224

 225, 65, 177

 225, 240, 245

 225, 43, 170

 225, 246, 255

 225, 20, 164

 225, 243, 255

 225, 0, 158

 225, 241, 255

 225, 240, 255

# Harmonies

## Analogous

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



190, 165, 230



225, 155, 204



241, 151, 171

# Triad

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



225, 155, 204



128, 192, 110



49, 126, 215

# Complementary

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



225, 155, 204



155, 209, 225

# 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.



73, 137, 195



225, 155, 204



122, 187, 153

# Square

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



225, 155, 204



221, 211, 116



116, 170, 193



86, 147, 237

# Rectangle

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



225, 155, 204



242, 153, 149



116, 170, 193



51, 125, 205



# Sweetspot

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



225, 155, 204



255, 232, 248



176, 155, 225



128, 113, 123



0, 0, 0



128, 128, 128



# Same Dimension

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



225, 155, 204



255, 161, 227



225, 155, 169



112, 101, 109



176, 0, 123



48, 0, 34



# Inverse Universe

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



225, 155, 204



255, 161, 227



155, 194, 225



112, 101, 109



176, 0, 123

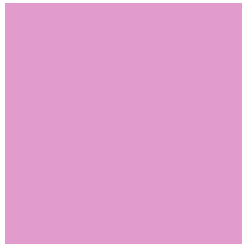


48, 0, 34



# Previews

## White Background



This preview shows how the RYB color 225, 155, 204 looks on a white background.

## Color Contrast Check

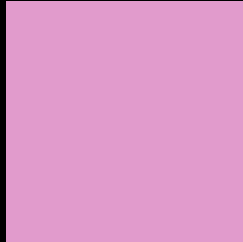
Large Text (above 18pt) WCAG AA × Fail

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 225, 155, 204 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

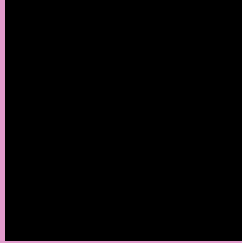
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 225, 155, 204 Background**



This preview shows how black text looks on a background with the RYB color 225, 155, 204.

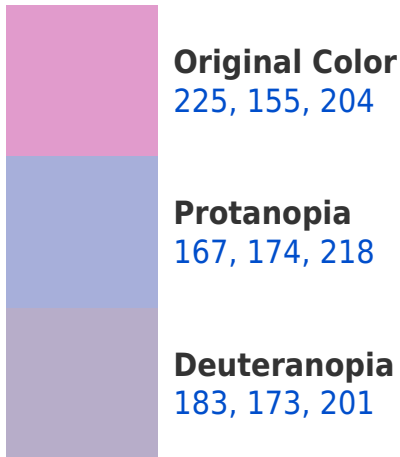



This preview shows how white text looks on a background with the RYB color 225, 155, 204.

# 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**  
221, 161, 173

# Trichromacy



**Original Color**

225, 155, 204



**Protanomaly**

188, 168, 213



**Deuteranomaly**

198, 166, 202



**Tritanomaly**

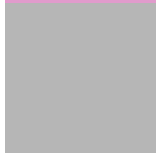
222, 159, 184

# Monochromacy



**Original Color**

225, 155, 204



**Achromatopsia**

182, 182, 182



**Achromatomaly**

198, 172, 190

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 225, 155, 204 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(225, 155, 204) looks like.

```
.text, #text, p{  
    color:rgb(225, 155, 204)  
}
```

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(225, 155, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 155, 204) }
```

## Border

The CSS property to change the border of an element to RYB 225, 155, 204 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(225, 155, 204) }
```

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

```
.border{ border-color:rgb(225, 155, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 155, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 155, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 155, 204);  
box-shadow:4px 4px 4px 4px rgb(225, 155,  
204) }
```

# Background

The CSS property to change the background color of an element to RYB 225, 155, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 155, 204) }
```

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

```
.background{ background-color: rgb(225,  
155, 204) }
```

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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