

Converting Colors

`RYB(232, 55, 205)`

Have a look what the booklet for
RYB(232, 55, 205) contains.

RYB(232, 55, 205)	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(232, 55, 205)

Conversions

Conversions Part 1

Format	Color
Hex	E837CD
RGB	232, 55, 205
RGB Percent	91%, 22%, 80%
CMY	0.0902, 0.7843, 0.1961
CMYK	0.00, 0.76, 0.12, 0.09
HSL	309°, 79%, 56%
HSV	309°, 76%, 91%
XYZ	45.6643, 24.2960, 60.0404
YIQ	125.0230, 57.3420, 84.1740

Conversions

Conversions Part 2

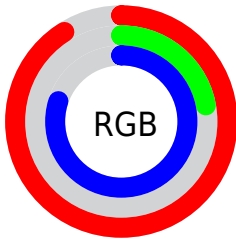
Format	Color
R _{YB}	232, 55, 205
Decimal	15218637
CIE Lab	56.38, 79.61, -39.21
CIE LCh	56, 88.742, 333.780
Yxy	24.2960, 0.3513, 0.1869
Android (android.graphics.Color)	4293408717 (0xFFE837CD)
YUV	125.0230, 39.4287, 93.8188
Hunter-Lab	49.2909, 79.1077, -37.7165

Details

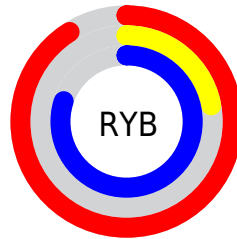
The RYB color **232, 55, 205** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **55, 209, 232**, and the grayscale version is **125, 125, 125**.

A 20% lighter version of the original color is **255, 120, 255**, and **172, 0, 150** is the 20% darker color. If you saturate the color by 10%, you get **232, 32, 201**, and if you desaturate by 10%, it is **232, 78, 209**.

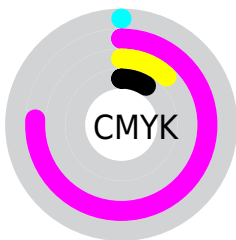
Distribution



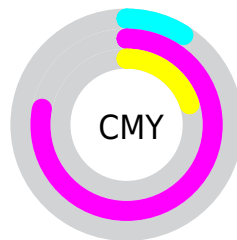
- Red (91%)
- Green (22%)
- Blue (80%)



- Red (91%)
- Yellow (22%)
- Blue (80%)



- Cyan (0%)
- Magenta (76%)
- Yellow (12%)
- Black (9%)



- Cyan (9%)
- Magenta (78%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 232, 55, 205 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 232, 55, 205 by changing the saturation by 10% instead.



232, 55, 205



232, 55, 205

255, 255, 255



202, 0, 177



255, 120, 255



172, 0, 150



255, 150, 255



143, 0, 124



255, 180, 255



114, 0, 99



255, 210, 255



85, 0, 74



255, 240, 255



58, 0, 51



27, 0, 29



0, 0, 0



232, 55, 205



232, 55, 205

■ 232, 32, 201

■ 232, 78, 209

■ 232, 9, 198

■ 232, 101, 212

■ 232, 0, 197

■ 232, 125, 216

■ 232, 148, 219

■ 232, 171, 223

■ 232, 194, 226

■ 232, 217, 230

■ 232, 240, 241

■ 232, 251, 255

Harmonies

Analogous

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



139, 109, 255



232, 55, 205



255, 0, 129

Triad

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



232, 55, 205



23, 156, 0



0, 95, 220

Complementary

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



232, 55, 205



55, 209, 232

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, 90, 167



232, 55, 205



0, 154, 82

Square

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



232, 55, 205



216, 201, 0



0, 119, 163



0, 99, 255

Rectangle

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



232, 55, 205



255, 28, 79



0, 119, 163



0, 90, 196

Sweetspot

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



232, 55, 205



255, 196, 246



82, 55, 232



128, 92, 122



0, 0, 0



128, 128, 128

Same Dimension

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



232, 55, 205



255, 20, 219



232, 55, 117



115, 103, 113



179, 0, 151



51, 0, 43

Inverse Universe

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



232, 55, 205



255, 20, 219



55, 162, 232



115, 103, 113



179, 0, 151



51, 0, 43

Previews

White Background



This preview shows how the RYB color 232, 55, 205 looks on a white background.

Color Contrast Check

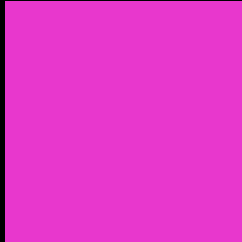
Large Text (above 18pt) WCAG AA ✓ Pass

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 232, 55, 205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

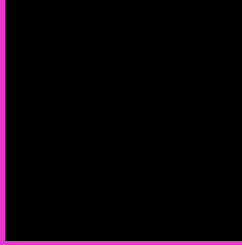
Any Text WCAG AA ✓ Pass

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](#).

RYB 232, 55, 205 Background



This preview shows how black text looks on a background with the RYB color 232, 55, 205.

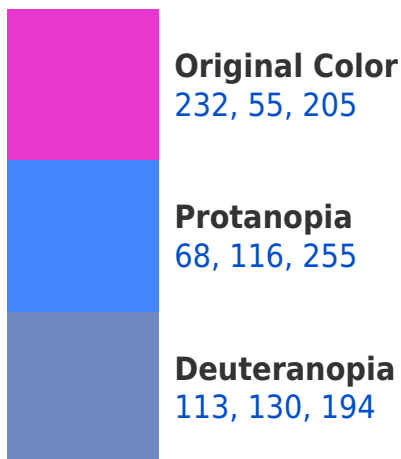


This preview shows how white text looks on a background with the RYB color 232, 55, 205.

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
222, 93, 99

Trichromacy



Original Color

232, 55, 205



Protanomaly

128, 104, 237



Deuteranomaly

156, 105, 198



Tritanomaly

226, 79, 138

Monochromacy



Original Color

232, 55, 205



Achromatopsia

125, 125, 125



Achromatomaly

164, 100, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 232, 55, 205 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(232, 55, 205) looks like.

```
.text, #text, p{  
    color:rgb(232, 55, 205)  
}
```

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(232, 55, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 55, 205) }
```

Border

The CSS property to change the border of an element to RYB 232, 55, 205 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(232, 55, 205) }
```

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

```
.border{ border-color:rgb(232, 55, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 55, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 55, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 55, 205);  
box-shadow:4px 4px 4px 4px rgb(232, 55,  
205) }
```

Background

The CSS property to change the background color of an element to RGB 232, 55, 205 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 55, 205) }
```

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

```
.background{ background-color: rgb(232, 55,  
205) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor