

Converting Colors

`RYB(206, 66, 157)`

Have a look what the booklet for
RYB(206, 66, 157) contains.

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Color

R_YB(206, 66, 157)

Conversions

Conversions Part 1

Format	Color
Hex	CE429D
RGB	206, 66, 157
RGB Percent	81%, 26%, 62%
CMY	0.1922, 0.7412, 0.3843
CMYK	0.00, 0.68, 0.24, 0.19
HSL	321°, 59%, 53%
HSV	321°, 68%, 81%
XYZ	33.4876, 19.4526, 33.8880
YIQ	118.2340, 54.2290, 57.9810

Conversions

Conversions Part 2

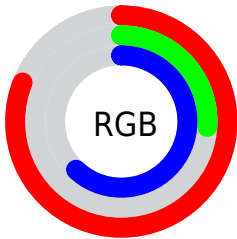
Format	Color
R_{YB}	206, 66, 157
Decimal	13517469
CIE _{Lab}	51.21, 63.43, -19.65
CIE _{LCh}	51, 66.410, 342.786
Yxy	19.4526, 0.3857, 0.2240
Android (android.graphics.Color)	4291707549 (0xFFCE429D)
YUV	118.2340, 19.1116, 76.9708
Hunter-Lab	44.1051, 58.3457, -14.6818

Details

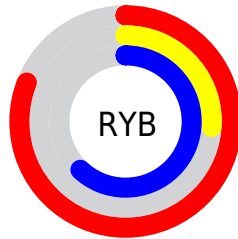
The RYB color **206, 66, 157** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **66, 170, 206**, and the grayscale version is **118, 118, 118**.

A 20% lighter version of the original color is **255, 124, 212**, and **148, 0, 106** is the 20% darker color. If you saturate the color by 10%, you get **206, 45, 150**, and if you desaturate by 10%, it is **206, 87, 164**.

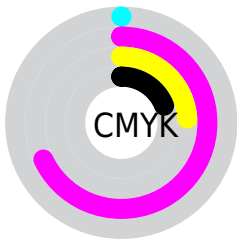
Distribution



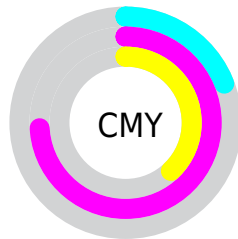
- Red (81%)
- Green (26%)
- Blue (62%)



- Red (81%)
- Yellow (26%)
- Blue (62%)



- Cyan (0%)
- Magenta (68%)
- Yellow (24%)
- Black (19%)




- Cyan (19%)
- Magenta (74%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 206, 66, 157 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 206, 66, 157 by changing the saturation by 10% instead.

 206, 66, 157

 206, 66, 157

255, 255, 255

 177, 33, 131


 255, 124, 212

 148, 0, 106

 255, 152, 240

 119, 0, 81

 255, 181, 255

 91, 0, 58

 255, 210, 255

 66, 0, 37

 255, 239, 255

 37, 0, 12

 0, 0, 0

 206, 66, 157

 206, 66, 157

 206, 45, 150

 206, 87, 164

■ 206, 25, 143

■ 206, 107, 171

■ 206, 4, 135

■ 206, 128, 179

■ 206, 0, 134

■ 206, 148, 186

■ 206, 169, 193

■ 206, 190, 200

■ 206, 209, 210

■ 206, 224, 231

■ 206, 239, 251

Harmonies

Analogous

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



154, 95, 206



206, 66, 157



222, 58, 100

Triad

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



206, 66, 157



0, 127, 2



0, 84, 198

Complementary

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



206, 66, 157



66, 170, 206

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, 74, 147



206, 66, 157



26, 139, 108

Square

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



206, 66, 157



109, 174, 0



0, 91, 145



0, 86, 231

Rectangle

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



206, 66, 157



215, 71, 64



0, 91, 145



0, 81, 182

Sweetspot

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



206, 66, 157



255, 204, 237



115, 66, 206



128, 97, 117



0, 0, 0



128, 128, 128

Same Dimension

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



206, 66, 157



255, 46, 182



206, 66, 87



102, 92, 98



166, 0, 108



38, 0, 25

Inverse Universe

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



206, 66, 157



255, 46, 182



66, 142, 206



102, 92, 98



166, 0, 108



38, 0, 25

Previews

White Background



This preview shows how the RYB color 206, 66, 157 looks on a white background.

Color Contrast Check

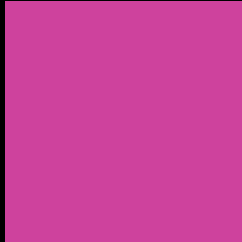
Large Text (above 18pt) WCAG AA ✓ Pass

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 206, 66, 157 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 206, 66, 157 Background



This preview shows how black text looks on a background with the RYB color 206, 66, 157.

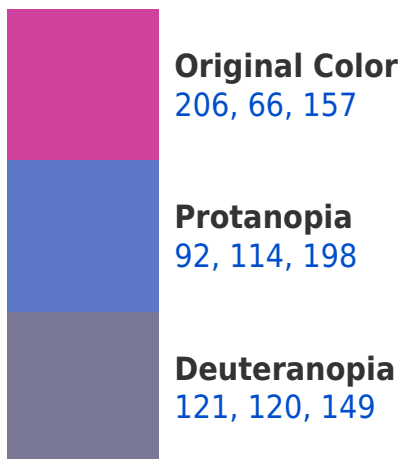


This preview shows how white text looks on a background with the RYB color 206, 66, 157.

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
200, 84, 90

Trichromacy



Original Color

206, 66, 157



Protanomaly

133, 100, 183



Deuteranomaly

152, 100, 152



Tritanomaly

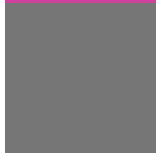
202, 77, 114

Monochromacy



Original Color

206, 66, 157



Achromatopsia

118, 118, 118



Achromatomaly

150, 99, 132

CSS Examples

Text

The CSS property to change the color of the text to RYB 206, 66, 157 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(206, 66, 157) looks like.

```
.text, #text, p{  
    color:rgb(206, 66, 157)  
}
```

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(206, 66, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 66, 157) }
```

Border

The CSS property to change the border of an element to RYB 206, 66, 157 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(206, 66, 157) }
```

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

```
.border{ border-color:rgb(206, 66, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 66, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 66, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 66, 157);  
box-shadow:4px 4px 4px 4px rgb(206, 66,  
157) }
```

Background

The CSS property to change the background color of an element to RGB 206, 66, 157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 66, 157) }
```

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

```
.background{ background-color: rgb(206, 66,  
157) }
```

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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