

Converting Colors

`RYB(165, 23, 206)`

Have a look what the booklet for
RYB(165, 23, 206) contains.

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Color

R_YB(165, 23, 206)

Conversions

Conversions Part 1

Format	Color
Hex	A517CE
RGB	165, 23, 206
RGB Percent	65%, 9%, 81%
CMY	0.3529, 0.9098, 0.1922
CMYK	0.20, 0.89, 0.00, 0.19
HSL	287°, 80%, 45%
HSV	287°, 89%, 81%
XYZ	26.9640, 13.0684, 59.4938
YIQ	86.3200, 25.8890, 87.0170

Conversions

Conversions Part 2

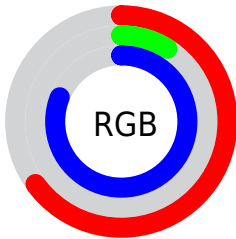
Format	Color
RYB	165, 23, 206
Decimal	10819534
CIELab	42.87, 74.80, -62.01
CIELCh	43, 97.167, 320.341
Yxy	13.0684, 0.2709, 0.1313
Android (android.graphics.Color)	4289009614 (0xFFA517CE)
YUV	86.3200, 59.0022, 69.0024
Hunter-Lab	36.1502, 69.8784, -72.2708

Details

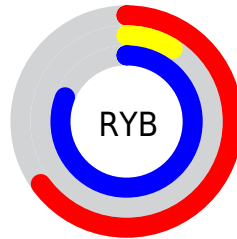
The RYB color **165, 23, 206** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **23, 206, 165**, and the grayscale version is **86, 86, 86**.

A 20% lighter version of the original color is **224, 92, 255**, and **107, 0, 151** is the 20% darker color. If you saturate the color by 10%, you get **160, 2, 206**, and if you desaturate by 10%, it is **170, 44, 206**.

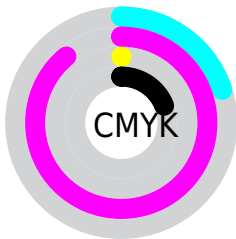
Distribution



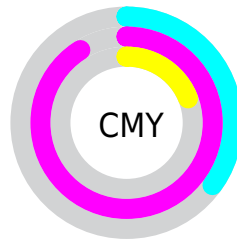
- Red (65%)
- Green (9%)
- Blue (81%)



- Red (65%)
- Yellow (9%)
- Blue (81%)



- Cyan (20%)
- Magenta (89%)
- Yellow (0%)
- Black (19%)




- Cyan (35%)
- Magenta (91%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 165, 23, 206 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 165, 23, 206 by changing the saturation by 10% instead.

 165, 23, 206

 165, 23, 206

255, 255, 255

 136, 0, 178

 224, 92, 255

 107, 0, 151

 255, 121, 255

 78, 0, 124

 255, 150, 255

 50, 0, 98

 255, 179, 255

 14, 0, 73

 255, 209, 255

 0, 3, 49

 255, 238, 255

 0, 1, 28

 0, 0, 0

 165, 23, 206

 165, 23, 206

■ 160, 2, 206

■ 170, 44, 206

■ 160, 0, 206

■ 174, 64, 206

■ 179, 85, 206

■ 183, 105, 206

■ 188, 126, 206

■ 193, 147, 206

■ 197, 167, 206

■ 202, 188, 206

■ 206, 208, 207

Harmonies

Analogous

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



0, 68, 255



165, 23, 206



223, 0, 131

Triad

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



165, 23, 206



91, 145, 0



0, 71, 156

Complementary

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



165, 23, 206



23, 206, 165

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, 83, 129



165, 23, 206



0, 114, 44

Square

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



165, 23, 206



200, 35, 0



0, 124, 124



0, 83, 227

Rectangle

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



165, 23, 206



232, 0, 78



0, 124, 124



0, 66, 131

Sweetspot

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



165, 23, 206



240, 186, 255



23, 58, 206



118, 87, 128



0, 0, 0



128, 128, 128

Same Dimension

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



165, 23, 206



198, 0, 255



206, 23, 157



100, 92, 102



129, 0, 166



30, 0, 38

Inverse Universe

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



206, 23, 64



255, 0, 57



23, 167, 206



102, 92, 94



166, 0, 37



38, 0, 9

Previews

White Background



This preview shows how the RYB color 165, 23, 206 looks on a white background.

Color Contrast Check

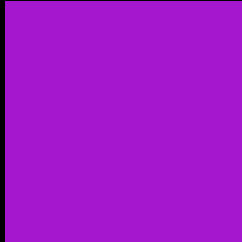
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 165, 23, 206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

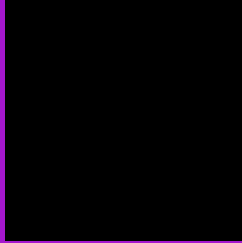
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RGB 165, 23, 206 Background



This preview shows how black text looks on a background with the RGB color 165, 23, 206.

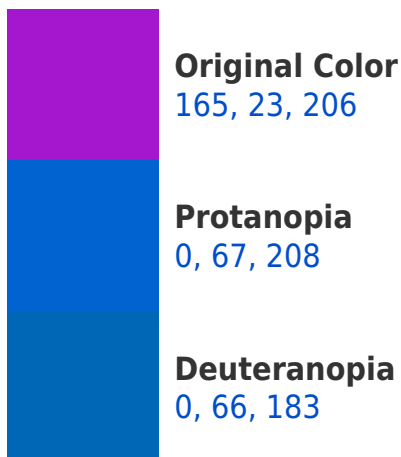


This preview shows how white text looks on a background with the RGB color 165, 23, 206.

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
148, 83, 89

Trichromacy



Original Color

165, 23, 206



Protanomaly

60, 70, 207



Deuteranomaly

60, 73, 191



Tritanomaly

154, 61, 132

Monochromacy



Original Color

165, 23, 206



Achromatopsia

86, 86, 86



Achromatomaly

115, 63, 130

CSS Examples

Text

The CSS property to change the color of the text to RYB 165, 23, 206 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(165, 23, 206) looks like.

```
.text, #text, p{  
    color:rgb(165, 23, 206)  
}
```

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(165, 23, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 23, 206) }
```

Border

The CSS property to change the border of an element to RYB 165, 23, 206 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(165, 23, 206) }
```

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

```
.border{ border-color:rgb(165, 23, 206) }
```

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

Here you see how a box with a 4 pixel rgb(165, 23, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 23, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 23, 206);  
box-shadow:4px 4px 4px 4px rgb(165, 23,  
206) }
```

Background

The CSS property to change the background color of an element to RYB 165, 23, 206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 23, 206) }
```

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

```
.background{ background-color: rgb(165, 23,  
206) }
```

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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