

Converting Colors

`RYB(165, 80, 204)`

Have a look what the booklet for
RYB(165, 80, 204) contains.

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Color

R_YB(165, 80, 204)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | A550CC |
| RGB | 165, 80, 204 |
| RGB Percent | 65%, 31%, 80% |
| CMY | 0.3529, 0.6863, 0.2000 |
| CMYK | 0.19, 0.61, 0.00, 0.20 |
| HSL | 281°, 55%, 56% |
| HSV | 281°, 61%, 80% |
| XYZ | 29.2848, 18.0963, 59.0762 |
| YIQ | 119.5510, 10.8560, 56.5840 |

Conversions

Conversions Part 2

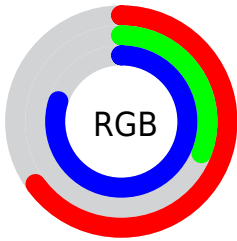
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 165, 80, 204 |
| Decimal | 10834124 |
| CIE Lab | 49.61, 54.89, -50.00 |
| CIE LCh | 50, 74.249, 317.672 |
| Yxy | 18.0963, 0.2751, 0.1700 |
| Android (android.graphics.Color) | 4289024204 (0xFFA550CC) |
| YUV | 119.5510, 41.6334, 39.8588 |
| Hunter-Lab | 42.5397, 48.4367, -52.5600 |

Details

The RYB color **165, 80, 204** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **80, 204, 165**, and the grayscale version is **119, 119, 119**.

A 20% lighter version of the original color is **223, 133, 255**, and **109, 24, 149** is the 20% darker color. If you saturate the color by 10%, you get **159, 60, 204**, and if you desaturate by 10%, it is **171, 100, 204**.

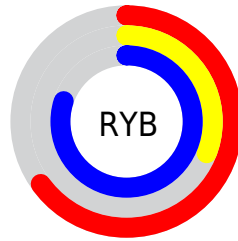
Distribution



Red (65%)

Green (31%)

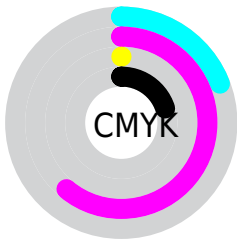
Blue (80%)



Red (65%)

Yellow (31%)

Blue (80%)

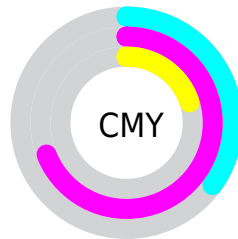


Cyan (19%)

Magenta (61%)

Yellow (0%)

Black (20%)



Cyan (35%)


Magenta (69%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 165, 80, 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 165, 80, 204 by changing the saturation by 10% instead.

 165, 80, 204

 165, 80, 204

255, 255, 255

 137, 53, 176

 223, 133, 255

 109, 24, 149

 252, 161, 255

 82, 0, 123

 255, 189, 255

 55, 0, 97

 255, 217, 255

 32, 0, 73

 255, 247, 255

 0, 0, 49

 0, 1, 27

 0, 0, 0

 165, 80, 204

 165, 80, 204

■ 159, 60, 204

■ 171, 100, 204

■ 152, 39, 204

■ 178, 121, 204

■ 146, 19, 204

■ 184, 141, 204

■ 140, 0, 204

■ 191, 162, 204

■ 197, 182, 204

■ 203, 202, 204

■ 204, 223, 217

■ 204, 243, 231

■ 204, 255, 236

Harmonies

Analogous

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



5, 79, 240



165, 80, 204



215, 40, 147

Triad

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



165, 80, 204



92, 165, 0



0, 75, 155

Complementary

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



165, 80, 204



80, 204, 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, 88, 143



165, 80, 204



0, 126, 18

Square

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



165, 80, 204



206, 96, 20



0, 125, 138



0, 85, 211

Rectangle

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



165, 80, 204



226, 29, 105



0, 125, 138



0, 76, 145

Sweetspot

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



165, 80, 204



241, 209, 255



80, 110, 204



119, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



165, 80, 204



196, 69, 255



204, 80, 181



99, 92, 102



114, 0, 166



26, 0, 38

Inverse Universe

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



204, 80, 119



255, 69, 127



80, 185, 204



102, 92, 95



166, 0, 52



38, 0, 12

Previews

White Background



This preview shows how the RYB color 165, 80, 204 looks on a white background.

Color Contrast Check

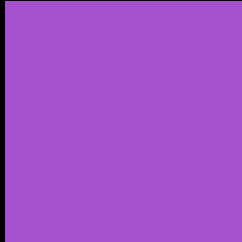
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80, 204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

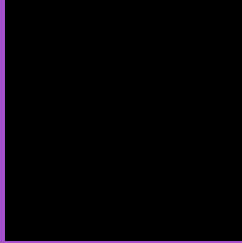
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RYP 165, 80, 204 Background



This preview shows how black text looks on a background with the RYP color 165, 80, 204.

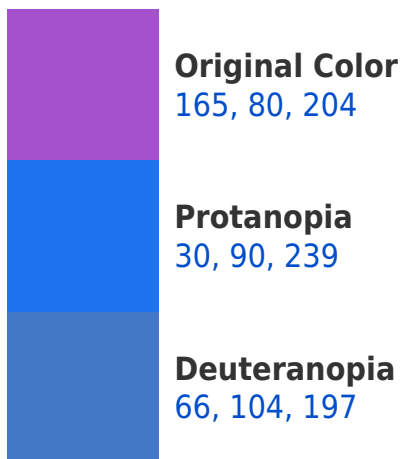



This preview shows how white text looks on a background with the RYP color 165, 80, 204.

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
151, 106, 114

Trichromacy



Original Color
165, 80, 204



Protanomaly
79, 99, 226



Deuteranomaly
102, 105, 200



Tritanomaly
156, 97, 147

Monochromacy



Original Color
165, 80, 204



Achromatopsia
120, 120, 120



Achromatomaly
136, 105, 151

CSS Examples

Text

The CSS property to change the color of the text to RYB 165, 80, 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(165, 80, 204)` looks like.

```
.text, #text, p{  
    color:rgb(165, 80, 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(165, 80, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 80, 204) }
```

Border

The CSS property to change the border of an element to RYB 165, 80, 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(165, 80, 204) }
```

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

```
.border{ border-color:rgb(165, 80, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 80, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 80, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 80, 204);  
box-shadow:4px 4px 4px 4px rgb(165, 80,  
204) }
```

Background

The CSS property to change the background color of an element to RYB 165, 80, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 80, 204) }
```

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

```
.background{ background-color: rgb(165, 80,  
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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