

Converting Colors

`RYB(152, 64, 165)`

Have a look what the booklet for
RYB(152, 64, 165) contains.

| | |
|--|----|
| RYB(152, 64, 165) | 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(152, 64, 165)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 9840A5 |
| RGB | 152, 64, 165 |
| RGB Percent | 60%, 25%, 65% |
| CMY | 0.4039, 0.7490, 0.3529 |
| CMYK | 0.08, 0.61, 0.00, 0.35 |
| HSL | 292°, 44%, 45% |
| HSV | 292°, 61%, 65% |
| XYZ | 21.5738, 13.0588, 36.9808 |
| YIQ | 101.8260, 20.0270, 50.0670 |

Conversions

Conversions Part 2

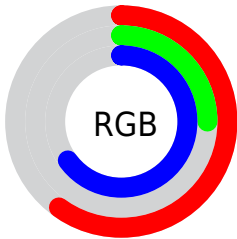
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 152, 64, 165 |
| Decimal | 9978021 |
| CIE _{Lab} | 42.85, 51.33, -38.07 |
| CIE _{LCh} | 43, 63.907, 323.434 |
| Yxy | 13.0588, 0.3013, 0.1824 |
| Android (android.graphics.Color) | 4288168101 (0xFF9840A5) |
| YUV | 101.8260, 31.1448, 44.0026 |
| Hunter-Lab | 36.1370, 43.3251, -35.3787 |

Details

The RYB color **152, 64, 165** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **64, 165, 152**, and the grayscale version is **102, 102, 102**.

A 20% lighter version of the original color is **209, 117, 221**, and **98, 0, 113** is the 20% darker color. If you saturate the color by 10%, you get **150, 47, 165**, and if you desaturate by 10%, it is **154, 80, 165**.

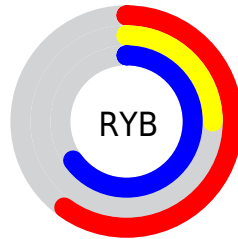
Distribution



Red (60%)

Green (25%)

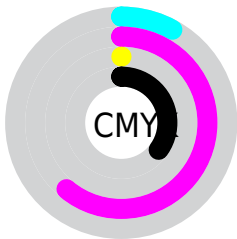
Blue (65%)



Red (60%)

Yellow (25%)

Blue (65%)

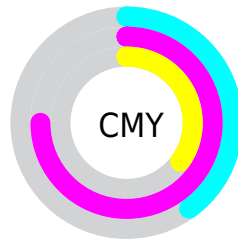


Cyan (8%)

Magenta (61%)

Yellow (0%)

Black (35%)



Cyan (40%)

Magenta (75%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 152, 64, 165 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 152, 64, 165 by changing the saturation by 10% instead.

 152, 64, 165

 152, 64, 165

255, 255, 255

 125, 37, 138

 209, 117, 221

 98, 0, 113

 238, 144, 249

 72, 0, 88


 255, 172, 255

 47, 0, 64

 255, 200, 255

 18, 0, 41

 255, 228, 255

 0, 1, 19


 0, 0, 0

 152, 64, 165


 152, 64, 165

 150, 47, 165

 154, 80, 165


 148, 31, 165


 156, 97, 165

 146, 14, 165

 158, 113, 165

 144, 0, 165

 160, 130, 165

 163, 146, 165

 165, 163, 165

 165, 179, 177

 165, 196, 192

 165, 212, 206

Harmonies

Analogous

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



67, 88, 199



152, 64, 165



187, 35, 115

Triad

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



152, 64, 165



53, 133, 0



0, 66, 142

Complementary

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



152, 64, 165



64, 165, 152

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, 72, 123



152, 64, 165



0, 111, 28

Square

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



152, 64, 165



170, 112, 7



0, 94, 119



0, 73, 186

Rectangle

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



152, 64, 165



193, 35, 80



0, 94, 119



0, 62, 124

Sweetspot

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



152, 64, 165



209, 176, 214



64, 76, 165



104, 84, 107



235, 235, 235



107, 107, 107

Same Dimension

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



152, 64, 165



194, 58, 214



165, 64, 128



81, 73, 82



127, 0, 145



16, 0, 18

Inverse Universe

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



165, 64, 77



214, 58, 78



64, 138, 165



82, 73, 74



145, 0, 19



18, 0, 2

Previews

White Background



This preview shows how the RYB color 152, 64, 165 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 152, 64, 165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

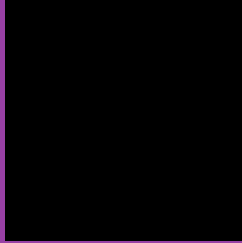
Any Text WCAG AA × Fail

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](#).

RYP 152, 64, 165 Background



This preview shows how black text looks on a background with the RYP color 152, 64, 165.

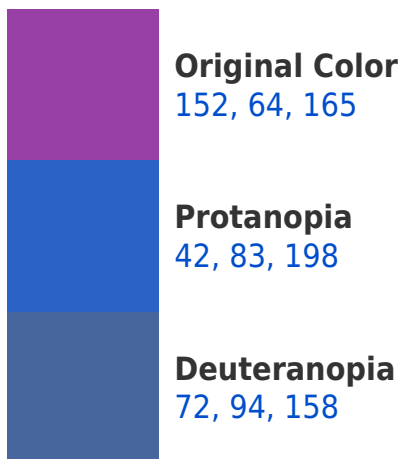


This preview shows how white text looks on a background with the RYP color 152, 64, 165.

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
142, 85, 91

Trichromacy



Original Color

152, 64, 165



Protanomaly

82, 86, 186



Deuteranomaly

101, 88, 161



Tritanomaly

146, 77, 118

Monochromacy



Original Color

152, 64, 165



Achromatopsia

102, 102, 102



Achromatomaly

120, 88, 125

CSS Examples

Text

The CSS property to change the color of the text to RYB 152, 64, 165 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(152, 64, 165)` looks like.

```
.text, #text, p{  
    color:rgb(152, 64, 165)  
}
```

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(152, 64, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 64, 165) }
```

Border

The CSS property to change the border of an element to RYB 152, 64, 165 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(152, 64, 165) }
```

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

```
.border{ border-color:rgb(152, 64, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 64, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 64, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 64, 165); box-shadow:4px 4px 4px 4px rgb(152, 64, 165) }
```

Background

The CSS property to change the background color of an element to RGB 152, 64, 165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 64, 165) }
```

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

```
.background{ background-color: rgb(152, 64,  
165) }
```

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