

Converting Colors

`RYB(163, 58, 116)`

Have a look what the booklet for
RYB(163, 58, 116) contains.

RYB(163, 58, 116)	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

$\text{RYB}(163, 58, 116)$

Conversions

Conversions Part 1

Format	Color
Hex	A33A74
RGB	163, 58, 116
RGB Percent	64%, 23%, 45%
CMY	0.3608, 0.7725, 0.5451
CMYK	0.00, 0.64, 0.29, 0.36
HSL	327°, 48%, 43%
HSV	327°, 64%, 64%
XYZ	19.7697, 12.0736, 17.8115
YIQ	96.0070, 43.9620, 40.2980

Conversions

Conversions Part 2

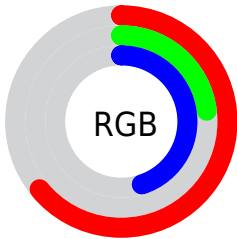
Format	Color
R_{YB}	163, 58, 116
Decimal	10697332
CIE _{Lab}	41.33, 49.12, -10.53
CIE _{LCh}	41, 50.241, 347.900
Yxy	12.0736, 0.3981, 0.2432
Android (android.graphics.Color)	4288887412 (0xFFA33A74)
YUV	96.0070, 9.8565, 58.7529
Hunter-Lab	34.7471, 40.7520, -6.0693

Details

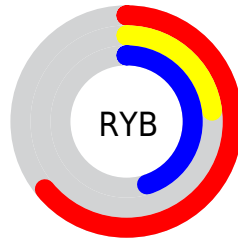
The RYB color **163, 58, 116** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **58, 131, 163**, and the grayscale version is **96, 96, 96**.

A 20% lighter version of the original color is **221, 111, 168**, and **108, 0, 68** is the 20% darker color. If you saturate the color by 10%, you get **163, 42, 109**, and if you desaturate by 10%, it is **163, 74, 123**.

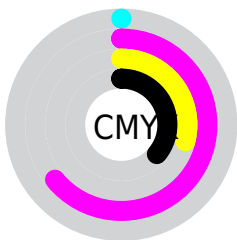
Distribution



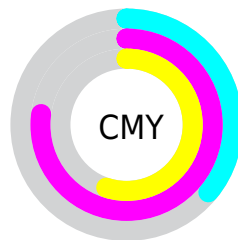
- Red (64%)
- Green (23%)
- Blue (45%)



- Red (64%)
- Yellow (23%)
- Blue (45%)



- Cyan (0%)
- Magenta (64%)
- Yellow (29%)
- Black (36%)





- Cyan (36%)
- Magenta (77%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 58, 116 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 163, 58, 116 by changing the saturation by 10% instead.

 163, 58, 116


 163, 58, 116


255, 255, 255

 135, 29, 91

 221, 111, 168

 108, 0, 68

 250, 139, 195

 81, 0, 46

 255, 166, 223

 56, 0, 25


 255, 194, 252

 24, 0, 1

 255, 223, 255


 0, 0, 0


 255, 252, 255

 163, 58, 116

 163, 58, 116

 163, 42, 109

 163, 74, 123

 163, 25, 101

 163, 91, 131

 163, 9, 94

 163, 107, 138

 163, 0, 90

 163, 123, 145

 163, 139, 152

 163, 156, 160

 163, 169, 172

 163, 180, 188

 163, 192, 205

Harmonies

Analogous

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



130, 75, 153



163, 58, 116



171, 57, 75

Triad

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



163, 58, 116



0, 103, 9



0, 66, 158

Complementary

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



163, 58, 116



58, 131, 163

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, 60, 122



163, 58, 116



38, 111, 107

Square

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



163, 58, 116



61, 131, 1



0, 69, 116



0, 67, 178

Rectangle

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



163, 58, 116



165, 69, 49



0, 69, 116



0, 65, 147

Sweetspot

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



163, 58, 116



212, 171, 194



104, 58, 163



107, 82, 96



235, 235, 235



107, 107, 107

Same Dimension

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



163, 58, 116



212, 49, 139



163, 58, 65



82, 73, 78



145, 0, 80



18, 0, 10

Inverse Universe

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



163, 58, 116



212, 49, 139



58, 112, 163



82, 73, 78



145, 0, 80



18, 0, 10

Previews

White Background



This preview shows how the RYB color 163, 58, 116 looks on a white background.

Color Contrast Check

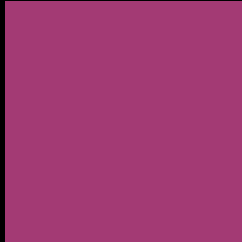
Large Text (above 18pt) WCAG AA ✓ Pass

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 163, 58, 116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

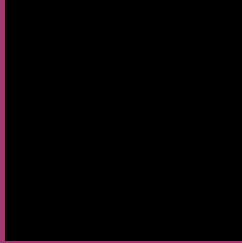
Any Text WCAG AA × Fail

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](#).

RYB 163, 58, 116 Background



This preview shows how black text looks on a background with the RYB color 163, 58, 116.

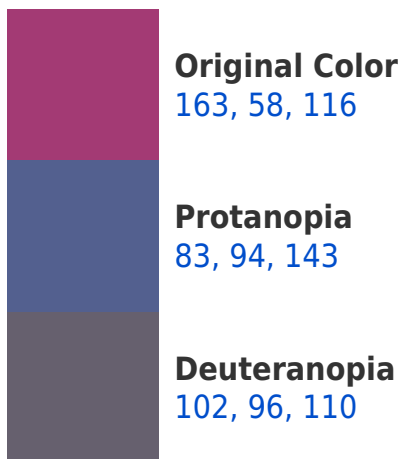



This preview shows how white text looks on a background with the RYB color 163, 58, 116.

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
159, 68, 73

Trichromacy



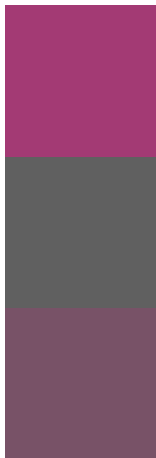
Original Color
163, 58, 116

Protanomaly
112, 83, 133

Deuteranomaly
124, 82, 112

Tritanomaly
160, 64, 89

Monochromacy



Original Color
163, 58, 116

Achromatopsia
96, 96, 96

Achromatomaly
120, 82, 103

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 58, 116 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(163, 58, 116)` looks like.

```
.text, #text, p{  
    color:rgb(163, 58, 116)  
}
```

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(163, 58, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 58, 116) }
```

Border

The CSS property to change the border of an element to RYB 163, 58, 116 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(163, 58, 116) }
```

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

```
.border{ border-color:rgb(163, 58, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 58, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 58, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 58, 116);  
box-shadow:4px 4px 4px 4px rgb(163, 58,  
116) }
```

Background

The CSS property to change the background color of an element to RGB 163, 58, 116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 58, 116) }
```

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

```
.background{ background-color: rgb(163, 58,  
116) }
```

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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