

Converting Colors

`RYB(163, 65, 114)`

Have a look what the booklet for
RYB(163, 65, 114) contains.

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Color

R_YB(163, 65, 114)

Conversions

Conversions Part 1

Format	Color
Hex	A34172
RGB	163, 65, 114
RGB Percent	64%, 25%, 45%
CMY	0.3608, 0.7451, 0.5529
CMYK	0.00, 0.60, 0.30, 0.36
HSL	330°, 43%, 45%
HSV	330°, 60%, 64%
XYZ	20.0318, 12.7820, 17.3310
YIQ	99.8880, 42.6790, 36.0150

Conversions

Conversions Part 2

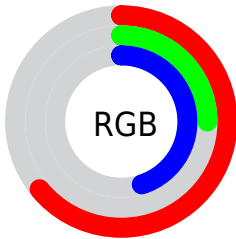
Format	Color
RYB	163, 65, 114
Decimal	10699122
CIELab	42.43, 45.69, -7.64
CIELCh	42, 46.321, 350.504
Yxy	12.7820, 0.3995, 0.2549
Android (android.graphics.Color)	4288889202 (0xFFA34172)
YUV	99.8880, 6.9572, 55.3492
Hunter-Lab	35.7520, 37.4476, -3.7148

Details

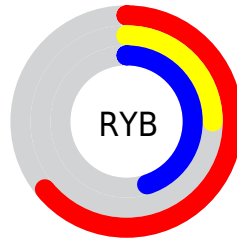
The RYB color **163, 65, 114** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **65, 130, 163**, and the grayscale version is **100, 100, 100**.

A 20% lighter version of the original color is **221, 118, 166**, and **108, 3, 66** is the 20% darker color. If you saturate the color by 10%, you get **163, 49, 106**, and if you desaturate by 10%, it is **163, 81, 122**.

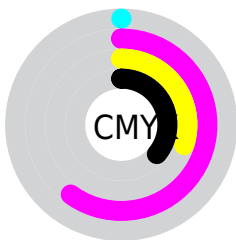
Distribution



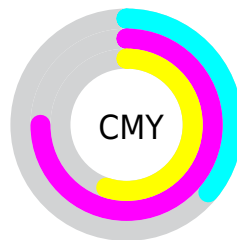
- Red (64%)
- Green (25%)
- Blue (45%)



- Red (64%)
- Yellow (25%)
- Blue (45%)



- Cyan (0%)
- Magenta (60%)
- Yellow (30%)
- Black (36%)



- Cyan (36%)
- Magenta (75%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 65, 114 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, 65, 114 by changing the saturation by 10% instead.



163, 65, 114



163, 65, 114

255, 255, 255



135, 38, 90



221, 118, 166



108, 3, 66



250, 145, 193



81, 0, 44



255, 172, 221



56, 0, 24



255, 200, 249



26, 0, 1



255, 229, 255



0, 0, 0



163, 65, 114



163, 65, 114



163, 49, 106



163, 81, 122



163, 32, 98



163, 98, 130

■ 163, 16, 90

■ 163, 114, 138

■ 163, 0, 82

■ 163, 130, 147

■ 163, 147, 155

■ 163, 163, 163

■ 163, 174, 179

■ 163, 184, 195

■ 163, 196, 212

Harmonies

Analogous

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



134, 78, 149



163, 65, 114



169, 65, 76

Triad

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



163, 65, 114



19, 106, 31



0, 67, 159

Complementary

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



163, 65, 114



65, 130, 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, 61, 126



163, 65, 114



46, 111, 114

Square

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



163, 65, 114



69, 130, 16



0, 68, 118



0, 67, 176

Rectangle

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



163, 65, 114



162, 78, 52



0, 68, 118



0, 66, 149

Sweetspot

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



163, 65, 114



212, 174, 193



114, 65, 163



107, 84, 95



235, 235, 235



107, 107, 107

Same Dimension

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



163, 65, 114



212, 59, 135



163, 65, 65



82, 73, 78



145, 0, 73



18, 0, 9

Inverse Universe

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



163, 65, 114



212, 59, 135



65, 114, 163



82, 73, 78



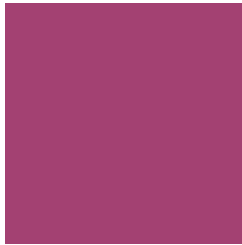
145, 0, 73



18, 0, 9

Previews

White Background



This preview shows how the RYB color 163, 65, 114 looks on a white background.

Color Contrast Check

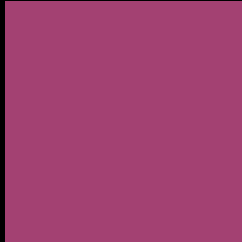
Large Text (above 18pt) WCAG AA ✓ Pass

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, 65, 114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

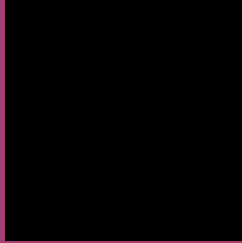
Any Text WCAG AA × Fail

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 163, 65, 114 Background



This preview shows how black text looks on a background with the RYB color 163, 65, 114.

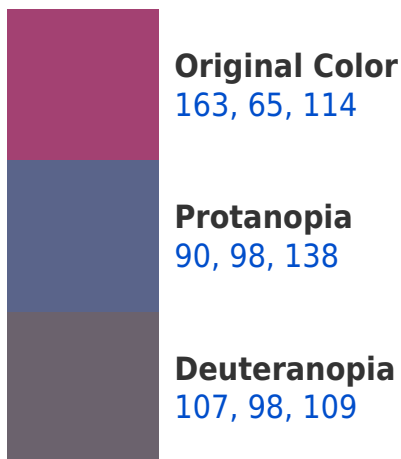


This preview shows how white text looks on a background with the RYB color 163, 65, 114.

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
160, 73, 78

Trichromacy



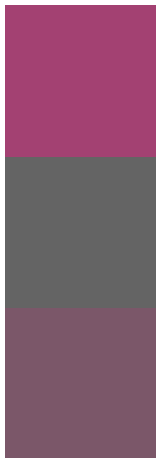
Original Color
163, 65, 114

Protanomaly
117, 87, 129

Deuteranomaly
127, 86, 111

Tritanomaly
161, 70, 91

Monochromacy



Original Color
163, 65, 114

Achromatopsia
100, 100, 100

Achromatomaly
123, 87, 105

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 65, 114 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, 65, 114)` looks like.

```
.text, #text, p{  
    color:rgb(163, 65, 114)  
}
```

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, 65, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 65, 114) }
```

Border

The CSS property to change the border of an element to RYB 163, 65, 114 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, 65, 114) }
```

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

```
.border{ border-color:rgb(163, 65, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 65, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 65, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 65, 114);  
box-shadow:4px 4px 4px 4px rgb(163, 65,  
114) }
```

Background

The CSS property to change the background color of an element to RGB 163, 65, 114 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 65, 114) }
```

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

```
.background{ background-color: rgb(163, 65,  
114) }
```

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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