

Converting Colors

`RYB(164, 33, 145)`

Have a look what the booklet for
RYB(164, 33, 145) contains.

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Color

R_YB(164, 33, 145)

Conversions

Conversions Part 1

Format	Color
Hex	A42191
RGB	164, 33, 145
RGB Percent	64%, 13%, 57%
CMY	0.3569, 0.8706, 0.4314
CMYK	0.00, 0.80, 0.12, 0.36
HSL	309°, 66%, 39%
HSV	309°, 80%, 64%
XYZ	20.9645, 11.0246, 27.8111
YIQ	84.9370, 42.1240, 62.6040

Conversions

Conversions Part 2

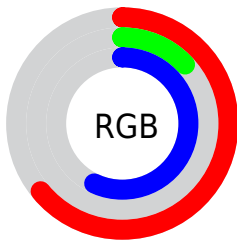
Format	Color
RYB	164, 33, 145
Decimal	10756497
CIELab	39.62, 62.35, -31.00
CIElCh	40, 69.632, 333.567
Yxy	11.0246, 0.3506, 0.1844
Android (android.graphics.Color)	4288946577 (0xFFA42191)
YUV	84.9370, 29.6111, 69.3383
Hunter-Lab	33.2033, 54.5992, -26.4191

Details

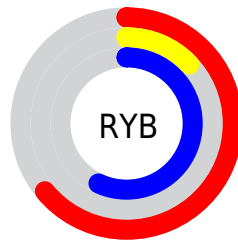
The RYB color **164, 33, 145** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **33, 147, 164**, and the grayscale version is **85, 85, 85**.

A 20% lighter version of the original color is **222, 94, 199**, and **108, 0, 94** is the 20% darker color. If you saturate the color by 10%, you get **164, 17, 143**, and if you desaturate by 10%, it is **164, 49, 147**.

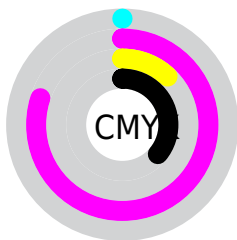
Distribution



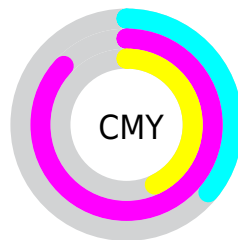
- Red (64%)
- Green (13%)
- Blue (57%)



- Red (64%)
- Yellow (13%)
- Blue (57%)



- Cyan (0%)
- Magenta (80%)
- Yellow (12%)
- Black (36%)



- Cyan (36%)
- Magenta (87%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 164, 33, 145 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 164, 33, 145 by changing the saturation by 10% instead.



164, 33, 145



164, 33, 145

255, 255, 255



136, 0, 119



222, 94, 199



108, 0, 94



252, 122, 227



81, 0, 70



255, 150, 255



57, 0, 47



255, 179, 255



24, 0, 25



255, 208, 255



0, 0, 0



255, 237, 255



164, 33, 145



164, 33, 145



164, 17, 143



164, 49, 147

164, 0, 140

164, 66, 150

164, 82, 152

164, 99, 155

164, 115, 157

164, 131, 159

164, 148, 162

164, 164, 164

164, 179, 181

Harmonies

Analogous

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



95, 74, 189



164, 33, 145



189, 0, 89

Triad

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



164, 33, 145



19, 109, 0



0, 67, 155

Complementary

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



164, 33, 145



33, 147, 164

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, 63, 116



164, 33, 145



0, 107, 61

Square

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



164, 33, 145



153, 129, 0



0, 86, 114



0, 71, 196

Rectangle

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



164, 33, 145



187, 8, 52



0, 86, 114



0, 63, 138

Sweetspot

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



164, 33, 145



214, 163, 207



50, 33, 164



107, 76, 103



235, 235, 235



107, 107, 107

Same Dimension

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



164, 33, 145



214, 9, 184



164, 33, 81



82, 73, 80



145, 0, 124



18, 0, 15

Inverse Universe

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



164, 33, 145



214, 9, 184



33, 113, 164



82, 73, 80



145, 0, 124



18, 0, 15

Previews

White Background



This preview shows how the RYB color 164, 33, 145 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 164, 33, 145 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 164, 33, 145 Background



This preview shows how black text looks on a background with the RYP color 164, 33, 145.

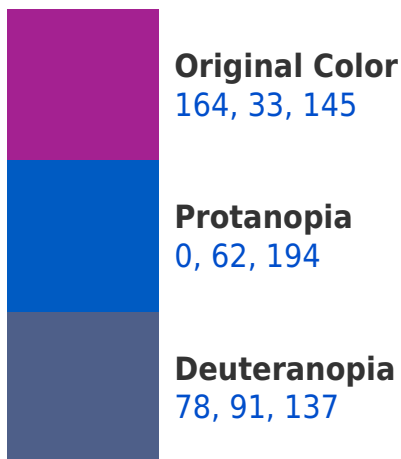


This preview shows how white text looks on a background with the RYP color 164, 33, 145.

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
157, 63, 67

Trichromacy



Original Color

164, 33, 145



Protanomaly

60, 69, 176



Deuteranomaly

109, 72, 140



Tritanomaly

160, 52, 95

Monochromacy



Original Color

164, 33, 145



Achromatopsia

85, 85, 85



Achromatomaly

114, 66, 107

CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 33, 145 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(164, 33, 145)` looks like.

```
.text, #text, p{  
    color:rgb(164, 33, 145)  
}
```

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(164, 33, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 33, 145) }
```

Border

The CSS property to change the border of an element to RYB 164, 33, 145 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(164, 33, 145) }
```

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

```
.border{ border-color:rgb(164, 33, 145) }
```

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

Here you see how a box with a 4 pixel rgb(164, 33, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 33, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 33, 145);  
box-shadow:4px 4px 4px 4px rgb(164, 33,  
145) }
```

Background

The CSS property to change the background color of an element to RGB 164, 33, 145 is called "background".

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

```
.background, #background, body{  
background: rgb(164, 33, 145) }
```

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

```
.background{ background-color: rgb(164, 33,  
145) }
```

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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