

Converting Colors

`RYB(164, 164, 204)`

Have a look what the booklet for
RYB(164, 164, 204) contains.

RYB(164, 164, 204)	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(164, 164, 204)

Conversions

Conversions Part 1

Format	Color
Hex	A4A4CC
RGB	164, 164, 204
RGB Percent	64%, 64%, 80%
CMY	0.3569, 0.3569, 0.2000
CMYK	0.20, 0.20, 0.00, 0.20
HSL	240°, 28%, 72%
HSV	240°, 20%, 80%
XYZ	39.4844, 38.8031, 62.5354
YIQ	168.5600, -12.8400, 12.4400

Conversions

Conversions Part 2

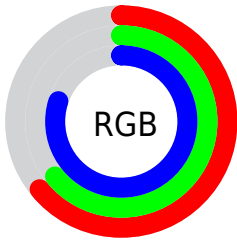
Format	Color
RYB	164, 164, 204
Decimal	10790092
CIELab	68.61, 8.39, -20.37
CIELCh	69, 22.029, 292.377
Yxy	38.8031, 0.2804, 0.2755
Android (android.graphics.Color)	4288980172 (0xFFA4A4CC)
YUV	168.5600, 17.4719, -3.9991
Hunter-Lab	62.2921, 4.1326, -15.9171

Details

The RYB color **164, 164, 204** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **164, 204, 164**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **219, 219, 255**, and **112, 112, 150** is the 20% darker color. If you saturate the color by 10%, you get **144, 144, 204**, and if you desaturate by 10%, it is **184, 184, 204**.

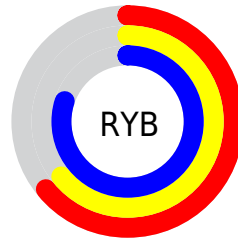
Distribution



Red (64%)

Green (64%)

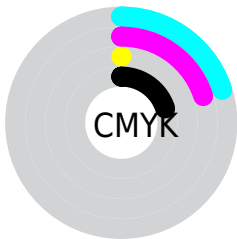
Blue (80%)



Red (64%)

Yellow (64%)

Blue (80%)

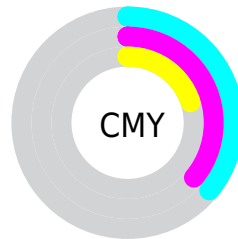


Cyan (20%)

Magenta (20%)

Yellow (0%)

Black (20%)



Cyan (36%)


Magenta (36%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 164, 164, 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 164, 164, 204 by changing the saturation by 10% instead.


 164, 164, 204

255, 255, 255

 219, 219, 255

 248, 247, 255

 164, 164, 204

 137, 138, 176

 112, 112, 150

 87, 88, 124

 63, 65, 99


 40, 43, 75

 17, 21, 52

 0, 0, 31

 0, 0, 2

 0, 0, 0

 164, 164, 204

 164, 164, 204

 144, 144, 204

 184, 184, 204

 123, 123, 204

 204, 205, 204

 103, 103, 204

 204, 225, 204

 82, 82, 204


 204, 246, 204

 62, 62, 204

 204, 255, 204

 42, 42, 204

 21, 21, 204

 1, 1, 204

 0, 0, 204

Harmonies

Analogous

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



137, 160, 206



164, 164, 204



188, 158, 192

Triad

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



164, 164, 204



202, 168, 137



123, 156, 178

Complementary

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



164, 164, 204



164, 204, 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.



143, 176, 175



164, 164, 204



166, 187, 128

Square

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



164, 164, 204



208, 154, 153



130, 171, 134



111, 145, 182

Rectangle

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



164, 164, 204



200, 154, 180



130, 171, 134



129, 161, 178

Sweetspot

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



164, 164, 204



240, 240, 255



164, 184, 204



119, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



164, 164, 204



194, 194, 255



184, 164, 204



92, 92, 102



0, 0, 166



0, 0, 38

Inverse Universe

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



204, 164, 204



255, 194, 255



164, 204, 184



102, 92, 102



166, 0, 166



38, 0, 38

Previews

White Background



This preview shows how the RYB color 164, 164, 204 looks on a white background.

Color Contrast Check

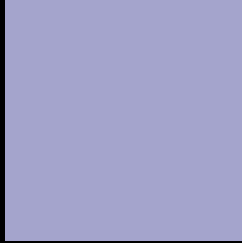
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 164, 164, 204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

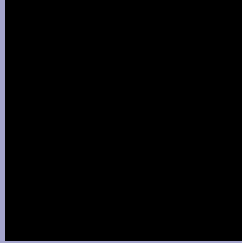
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

RYB 164, 164, 204 Background



This preview shows how black text looks on a background with the RYB color 164, 164, 204.



This preview shows how white text looks on a background with the RYB color 164, 164, 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



Original Color

164, 164, 204

Protanopia

158, 165, 205

Deuteranopia

165, 164, 204



Tritanopia
160, 166, 181

Trichromacy



Original Color
164, 164, 204

Protanomaly
160, 165, 205

Deuteranomaly
165, 164, 204

Tritanomaly
161, 166, 189

Monochromacy



Original Color
164, 164, 204

Achromatopsia
169, 169, 169

Achromatomaly
167, 167, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 164, 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(164, 164, 204)` looks like.

```
.text, #text, p{  
    color:rgb(164, 164, 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(164, 164, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 164, 204) }
```

Border

The CSS property to change the border of an element to RYB 164, 164, 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(164, 164, 204) }
```

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

```
.border{ border-color:rgb(164, 164, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 164, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 164, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 164, 204);  
box-shadow:4px 4px 4px 4px rgb(164, 164,  
204) }
```

Background

The CSS property to change the background color of an element to RYB 164, 164, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 164, 204) }
```

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

```
.background{ background-color: rgb(164,  
164, 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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