

Converting Colors

`RYB(91, 32, 204)`

Have a look what the booklet for
RYB(91, 32, 204) contains.

RYB(91, 32, 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(91, 32, 204)

Conversions

Conversions Part 1

Format	Color
Hex	5B20CC
RGB	91, 32, 204
RGB Percent	36%, 13%, 80%
CMY	0.6431, 0.8745, 0.2000
CMYK	0.55, 0.84, 0.00, 0.20
HSL	261°, 73%, 46%
HSV	261°, 84%, 80%
XYZ	15.7300, 7.6168, 57.7679
YIQ	69.2490, -20.0480, 66.0000

Conversions

Conversions Part 2

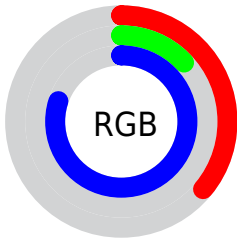
Format	Color
R_{YB}	91, 32, 204
Decimal	5972172
CIE _{Lab}	33.17, 62.57, -77.13
CIE _{LCh}	33, 99.317, 309.049
Yxy	7.6168, 0.1939, 0.0939
Android (android.graphics.Color)	4284162252 (0xFF5B20CC)
YUV	69.2490, 66.4322, 19.0756
Hunter-Lab	27.5986, 53.4398, -104.7838

Details

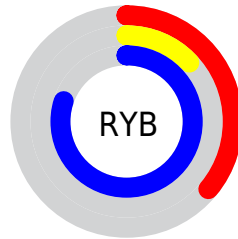
The RYB color **91, 32, 204** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark muted blue. A complement of this color would be **32, 204, 91**, and the grayscale version is **69, 69, 69**.

A 20% lighter version of the original color is **153, 87, 255**, and **0, 0, 148** is the 20% darker color. If you saturate the color by 10%, you get **78, 12, 204**, and if you desaturate by 10%, it is **104, 52, 204**.

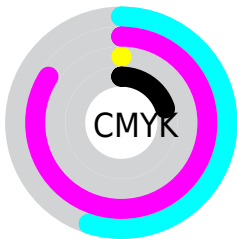
Distribution



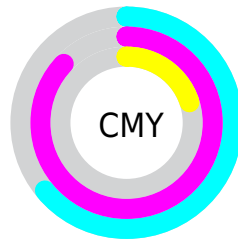
- Red (36%)
- Green (13%)
- Blue (80%)



- Red (36%)
- Yellow (13%)
- Blue (80%)



- Cyan (55%)
- Magenta (84%)
- Yellow (0%)
- Black (20%)



- Cyan (64%)
- Magenta (87%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 91, 32, 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 91, 32, 204 by changing the saturation by 10% instead.



91, 32, 204



91, 32, 204

255, 255, 255



57, 0, 176



153, 87, 255



0, 0, 148



183, 113, 255



0, 0, 122



213, 140, 255



0, 0, 96



244, 168, 255



0, 7, 71



255, 196, 255



0, 4, 47



255, 225, 255



0, 1, 26



255, 254, 255



0, 0, 0



91, 32, 204



91, 32, 204

■ 78, 12, 204

■ 104, 52, 204

■ 70, 0, 204

■ 118, 73, 204

■ 131, 93, 204

■ 145, 114, 204

■ 158, 134, 204

■ 171, 154, 204

■ 185, 175, 204

■ 198, 195, 204

■ 204, 216, 208

Harmonies

Analogous

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



0, 63, 240



91, 32, 204



181, 0, 136

Triad

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



91, 32, 204



139, 76, 0



0, 53, 104

Complementary

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



91, 32, 204



32, 204, 91

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, 94, 101



91, 32, 204



0, 83, 9

Square

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



91, 32, 204



184, 0, 0



0, 97, 97



0, 66, 178

Rectangle

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



91, 32, 204



201, 0, 85



0, 97, 97



0, 60, 103

Sweetspot

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



91, 32, 204



213, 191, 255



32, 101, 204



102, 89, 128



0, 0, 0



128, 128, 128

Same Dimension

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



91, 32, 204



87, 0, 255



175, 32, 204



95, 92, 102



57, 0, 166



13, 0, 38

Inverse Universe

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



204, 32, 145



255, 0, 168



32, 204, 175



102, 92, 99



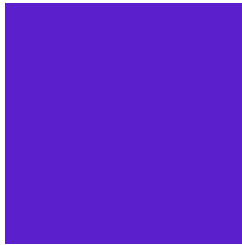
166, 0, 109



38, 0, 25

Previews

White Background



This preview shows how the RYB color 91, 32, 204 looks on a white background.

Color Contrast Check

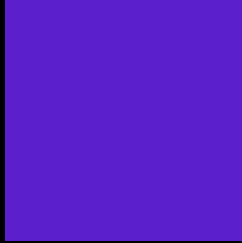
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the RYB color 91, 32, 204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

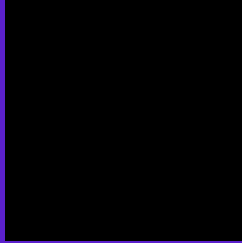
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RYB 91, 32, 204 Background



This preview shows how black text looks on a background with the RYB color 91, 32, 204.

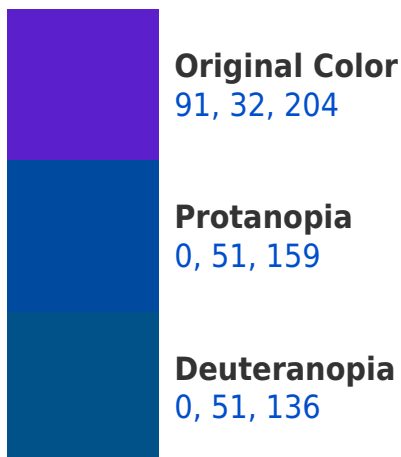


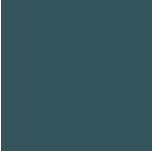
This preview shows how white text looks on a background with the RYB color 91, 32, 204.

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





Tritanopia
51, 69, 90

Trichromacy



Original Color

91, 32, 204



Protanomaly

33, 56, 175



Deuteranomaly

33, 57, 161



Tritanomaly

66, 64, 131

Monochromacy



Original Color

91, 32, 204



Achromatopsia

69, 69, 69



Achromatomaly

77, 56, 118

CSS Examples

Text

The CSS property to change the color of the text to RYB 91, 32, 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(91, 32, 204)` looks like.

```
.text, #text, p{  
    color:rgb(91, 32, 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(91, 32, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 32, 204) }
```

Border

The CSS property to change the border of an element to RYB 91, 32, 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(91, 32, 204) }
```

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

```
.border{ border-color:rgb(91, 32, 204) }
```

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

Here you see how a box with a 4 pixel rgb(91, 32, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 32, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 32, 204);  
box-shadow:4px 4px 4px 4px rgb(91, 32,  
204) }
```

Background

The CSS property to change the background color of an element to RYB 91, 32, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 32, 204) }
```

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

```
.background{ background-color: rgb(91, 32,  
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](#).

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