

Converting Colors

`RYB(100, 50, 200)`

Have a look what the booklet for
RYB(100, 50, 200) contains.

RYB(100, 50, 200)	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>	28

Color

R_YB(100, 50, 200)

Conversions

Conversions Part 1

Format	Color
Hex	6432C8
RGB	100, 50, 200
RGB Percent	39%, 20%, 78%
CMY	0.6078, 0.8039, 0.2157
CMYK	0.50, 0.75, 0.00, 0.22
HSL	260°, 60%, 49%
HSV	260°, 75%, 78%
XYZ	16.8215, 9.1607, 55.5252
YIQ	82.0500, -18.3500, 57.2500

Conversions

Conversions Part 2

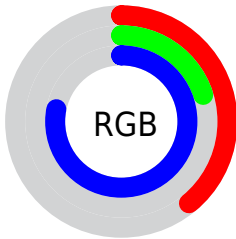
Format	Color
R _{YB}	100, 50, 200
Decimal	6566600
CIE Lab	36.29, 55.33, -69.63
CIE LCh	36, 88.934, 308.471
Yxy	9.1607, 0.2064, 0.1124
Android (android.graphics.Color)	4284756680 (0xFF6432C8)
YUV	82.0500, 58.1493, 15.7422
Hunter-Lab	30.2666, 46.2396, -87.5831

Details

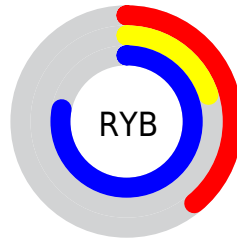
The RYB color **100, 50, 200** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **50, 200, 100**, and the grayscale version is **82, 82, 82**.

A 20% lighter version of the original color is **159, 101, 255**, and **32, 0, 145** is the 20% darker color. If you saturate the color by 10%, you get **87, 30, 200**, and if you desaturate by 10%, it is **113, 70, 200**.

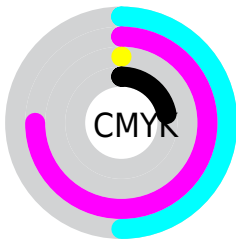
Distribution



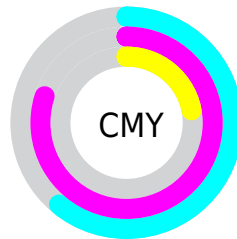
- Red (39%)
- Green (20%)
- Blue (78%)



- Red (39%)
- Yellow (20%)
- Blue (78%)



- Cyan (50%)
- Magenta (75%)
- Yellow (0%)
- Black (22%)



- Cyan (61%)
- Magenta (80%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 100, 50, 200 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 100, 50, 200 by changing the saturation by 10% instead.



100, 50, 200



100, 50, 200

255, 255, 255



69, 23, 172



159, 101, 255



32, 0, 145



189, 128, 255



0, 0, 118



219, 155, 255



0, 0, 93



249, 182, 255



0, 6, 68



255, 211, 255



0, 3, 45



255, 239, 255



0, 1, 23



0, 0, 0



100, 50, 200



100, 50, 200

■ 87, 30, 200

■ 113, 70, 200

■ 73, 10, 200

■ 127, 90, 200

■ 67, 0, 200

■ 140, 110, 200

■ 153, 130, 200

■ 167, 150, 200

■ 180, 170, 200

■ 193, 190, 200

■ 200, 210, 203

■ 200, 230, 210

Harmonies

Analogous

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



0, 65, 231



100, 50, 200



180, 0, 139

Triad

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



100, 50, 200



145, 102, 0



0, 57, 111

Complementary

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



100, 50, 200



50, 200, 100

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, 89, 109



100, 50, 200



0, 90, 3

Square

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



100, 50, 200



186, 0, 0



0, 103, 103



0, 68, 174

Rectangle

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



100, 50, 200



199, 0, 93



0, 103, 103



0, 64, 110

Sweetspot

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



100, 50, 200



216, 196, 255



50, 110, 200



104, 92, 128



0, 0, 0



128, 128, 128

Same Dimension

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



100, 50, 200



102, 25, 255



175, 50, 200



93, 90, 99



54, 0, 163



12, 0, 36

Inverse Universe

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



200, 50, 150



255, 25, 178



50, 200, 175



99, 90, 96



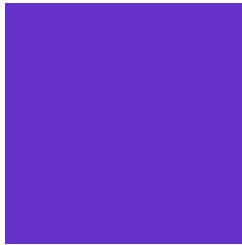
163, 0, 109



36, 0, 24

Previews

White Background



This preview shows how the RYB color 100, 50, 200 looks on a white background.

Color Contrast Check

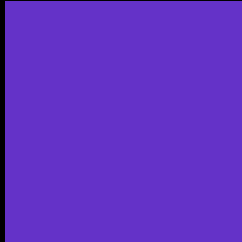
Large Text (above 18pt) WCAG AA ✓ Pass

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 100, 50, 200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

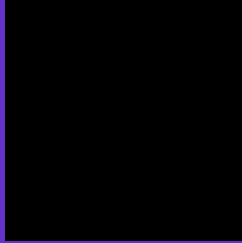
Any Text WCAG AA × Fail

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 100, 50, 200 Background



This preview shows how black text looks on a background with the RYB color 100, 50, 200.

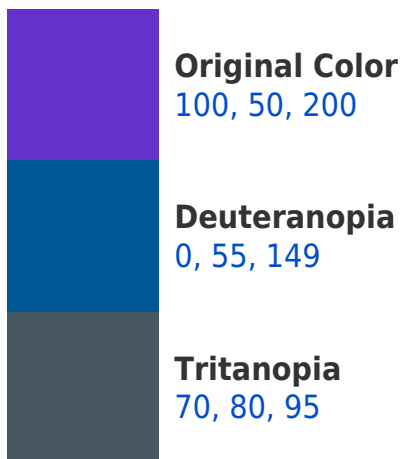


This preview shows how white text looks on a background with the RYB color 100, 50, 200.

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



Trichromacy



Original Color
100, 50, 200

Deuteranomaly
36, 66, 168

Tritanomaly
81, 74, 133

Monochromacy



Original Color
100, 50, 200

Achromatopsia
82, 82, 82

Achromatomaly
89, 70, 125

CSS Examples

Text

The CSS property to change the color of the text to RYB 100, 50, 200 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(100, 50, 200)` looks like.

```
.text, #text, p{  
    color:rgb(100, 50, 200)  
}
```

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(100, 50, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 50, 200) }
```

Border

The CSS property to change the border of an element to RYB 100, 50, 200 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(100, 50, 200) }
```

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

```
.border{ border-color:rgb(100, 50, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 50, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 50, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 50, 200);  
box-shadow:4px 4px 4px 4px rgb(100, 50,  
200) }
```

Background

The CSS property to change the background color of an element to RYB 100, 50, 200 is called "background".

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

```
.background, #background, body{  
background: rgb(100, 50, 200) }
```

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

```
.background{ background-color: rgb(100, 50,  
200) }
```

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