

Converting Colors

`RYB(190, 114, 226)`

Have a look what the booklet for
RYB(190, 114, 226) contains.

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Color

R_YB(190, 114, 226)

Conversions

Conversions Part 1

Format	Color
Hex	BE72E2
RGB	190, 114, 226
RGB Percent	75%, 45%, 89%
CMY	0.2549, 0.5529, 0.1137
CMYK	0.16, 0.50, 0.00, 0.11
HSL	281°, 66%, 67%
HSV	281°, 50%, 89%
XYZ	40.9800, 28.4728, 75.2874
YIQ	149.4920, 9.3440, 50.9440

Conversions

Conversions Part 2

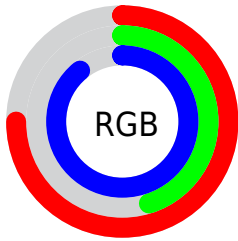
Format	Color
R_{YB}	190, 114, 226
Decimal	12481250
CIE _{Lab}	60.31, 48.79, -45.28
CIE _{LCh}	60, 66.566, 317.138
Yxy	28.4728, 0.2831, 0.1967
Android (android.graphics.Color)	4290671330 (0xFFBE72E2)
YUV	149.4920, 37.7184, 35.5255
Hunter-Lab	53.3599, 43.7069, -46.3025

Details

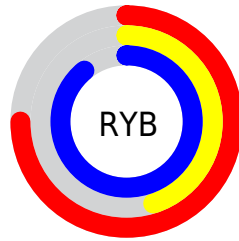
The RYB color **190, 114, 226** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **114, 226, 190**, and the grayscale version is **149, 149, 149**.

A 20% lighter version of the original color is **248, 168, 255**, and **134, 62, 170** is the 20% darker color. If you saturate the color by 10%, you get **183, 91, 226**, and if you desaturate by 10%, it is **197, 137, 226**.

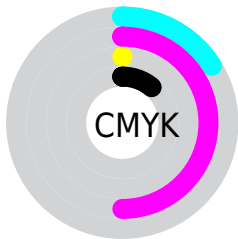
Distribution



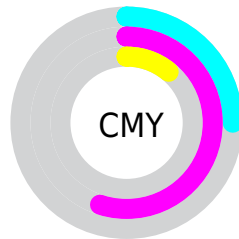
- Red (75%)
- Green (45%)
- Blue (89%)



- Red (75%)
- Yellow (45%)
- Blue (89%)



- Cyan (16%)
- Magenta (50%)
- Yellow (0%)
- Black (11%)





- Cyan (25%)
- Magenta (55%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 190, 114, 226 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 190, 114, 226 by changing the saturation by 10% instead.

 190, 114, 226

 190, 114, 226

255, 255, 255

 162, 88, 198

 248, 168, 255

 134, 62, 170

 255, 196, 255

 107, 36, 143

 255, 224, 255

 80, 3, 117

 255, 253, 255

 54, 0, 92

 32, 0, 68

 0, 0, 44

 0, 1, 23

 0, 0, 0

 190, 114, 226

 190, 114, 226


 183, 91, 226


 197, 137, 226

 175, 69, 226

 205, 159, 226

 168, 46, 226

 212, 182, 226

 161, 24, 226

 219, 204, 226

 154, 1, 226

 226, 227, 227

 153, 0, 226

 226, 250, 242

 226, 255, 240

 226, 255, 233

 226, 255, 226

Harmonies

Analogous

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



90, 128, 255



190, 114, 226



238, 90, 173

Triad

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



190, 114, 226



96, 195, 6



0, 88, 178

Complementary

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



190, 114, 226



114, 226, 190

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, 102, 171



190, 114, 226



0, 153, 11

Square

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



190, 114, 226



233, 126, 60



59, 165, 154



0, 98, 231

Rectangle

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



190, 114, 226



250, 85, 134



59, 165, 154



0, 90, 173

Sweetspot

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



190, 114, 226



243, 217, 255



114, 142, 226



120, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



190, 114, 226



207, 105, 255



226, 114, 207



109, 101, 112



119, 0, 176



33, 0, 48

Inverse Universe

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



226, 114, 150



255, 105, 153



114, 210, 226



112, 101, 105



176, 0, 57



48, 0, 16

Previews

White Background



This preview shows how the RYB color 190, 114, 226 looks on a white background.

Color Contrast Check

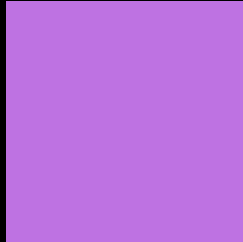
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 190, 114, 226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

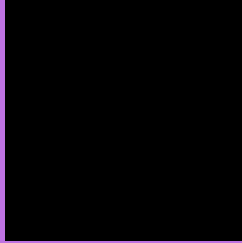
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RYB 190, 114, 226 Background



This preview shows how black text looks on a background with the RYB color 190, 114, 226.

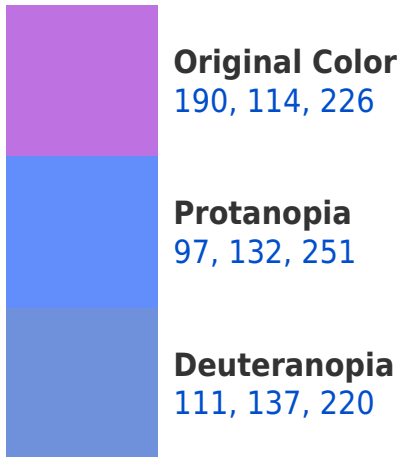



This preview shows how white text looks on a background with the RYB color 190, 114, 226.

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
177, 134, 144

Trichromacy



Original Color

190, 114, 226



Protanomaly

131, 132, 242



Deuteranomaly

140, 134, 222



Tritanomaly

182, 127, 174

Monochromacy



Original Color

190, 114, 226



Achromatopsia

149, 149, 149



Achromatomaly

164, 136, 177

CSS Examples

Text

The CSS property to change the color of the text to RYB 190, 114, 226 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(190, 114, 226) looks like.

```
.text, #text, p{  
    color:rgb(190, 114, 226)  
}
```

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(190, 114, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 114, 226) }
```

Border

The CSS property to change the border of an element to RYB 190, 114, 226 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(190, 114, 226) }
```

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

```
.border{ border-color:rgb(190, 114, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 114, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 114, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 114, 226); box-shadow:4px 4px 4px 4px rgb(190, 114, 226) }
```

Background

The CSS property to change the background color of an element to RYB 190, 114, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 114, 226) }
```

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

```
.background{ background-color: rgb(190,  
114, 226) }
```

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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