

Converting Colors

`RYB(142, 120, 220)`

Have a look what the booklet for
RYB(142, 120, 220) contains.

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Color

$\text{RYB}(142, 120, 220)$

Conversions

Conversions Part 1

Format	Color
Hex	8E78DC
RGB	142, 120, 220
RGB Percent	56%, 47%, 86%
CMY	0.4431, 0.5294, 0.1373
CMYK	0.35, 0.45, 0.00, 0.14
HSL	253°, 59%, 67%
HSV	253°, 45%, 86%
XYZ	30.7901, 24.3510, 70.7876
YIQ	137.9780, -18.9880, 35.7640

Conversions

Conversions Part 2

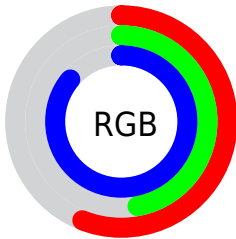
Format	Color
RYB	142, 120, 220
Decimal	9337052
CIELab	56.44, 31.16, -48.37
CIELCh	56, 57.537, 302.795
Yxy	24.3510, 0.2445, 0.1934
Android (android.graphics.Color)	4287527132 (0xFF8E78DC)
YUV	137.9780, 40.4368, 3.5273
Hunter-Lab	49.3468, 25.0188, -50.5083

Details

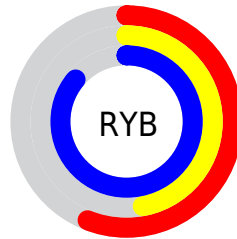
The RYB color **142, 120, 220** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **120, 220, 142**, and the grayscale version is **138, 138, 138**.

A 20% lighter version of the original color is **198, 173, 255**, and **87, 71, 164** is the 20% darker color. If you saturate the color by 10%, you get **125, 98, 220**, and if you desaturate by 10%, it is **159, 142, 220**.

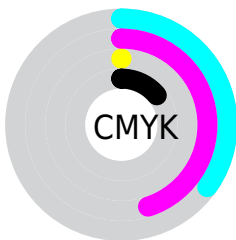
Distribution



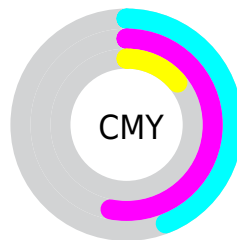
- Red (56%)
- Green (47%)
- Blue (86%)



- Red (56%)
- Yellow (47%)
- Blue (86%)



- Cyan (35%)
- Magenta (45%)
- Yellow (0%)
- Black (14%)




- Cyan (44%)
- Magenta (53%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 142, 120, 220 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 142, 120, 220 by changing the saturation by 10% instead.

 142, 120, 220

255, 255, 255

 198, 173, 255

 227, 200, 255

 255, 228, 255

 142, 120, 220

 114, 95, 192

 87, 71, 164

 60, 48, 138

 29, 26, 112


 0, 6, 87

 0, 0, 63

 0, 3, 40


 0, 1, 17


 0, 0, 0

 142, 120, 220

 142, 120, 220

 125, 98, 220

 159, 142, 220

 108, 76, 220

 176, 164, 220

 91, 54, 220

 193, 186, 220

 73, 32, 220

 211, 208, 220

 56, 10, 220

 220, 230, 222

 48, 0, 220

 220, 252, 227

 220, 255, 220

Harmonies

Analogous

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



0, 88, 236



142, 120, 220



199, 98, 182

Triad

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



142, 120, 220



196, 183, 43



0, 85, 159

Complementary

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



142, 120, 220



120, 220, 142

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, 100, 156



142, 120, 220



48, 157, 20

Square

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



142, 120, 220



221, 97, 84



43, 148, 86



0, 86, 188

Rectangle

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



142, 120, 220



219, 88, 150



43, 148, 86



0, 89, 158

Sweetspot

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



142, 120, 220



227, 219, 255



120, 164, 220



111, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



142, 120, 220



146, 115, 255



192, 120, 220



101, 99, 110



38, 0, 173



10, 0, 46

Inverse Universe

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



220, 120, 198



255, 115, 224



120, 220, 192



110, 99, 107



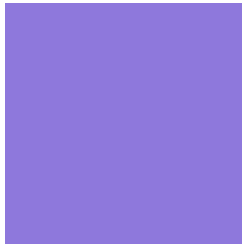
173, 0, 135



46, 0, 36

Previews

White Background



This preview shows how the RYB color 142, 120, 220 looks on a white background.

Color Contrast Check

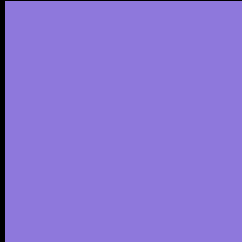
Large Text (above 18pt) WCAG AA ✓ Pass

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 142, 120, 220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

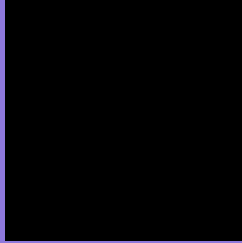
Any Text WCAG AA ✓ Pass

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 142, 120, 220 Background



This preview shows how black text looks on a background with the RYB color 142, 120, 220.



This preview shows how white text looks on a background with the RYB color 142, 120, 220.

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](#).

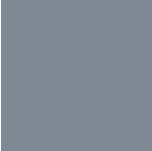
Dichromacy



Original Color
142, 120, 220

Protanopia
92, 123, 231

Deuteranopia
88, 123, 217



Tritanopia
126, 133, 147

Trichromacy



Original Color
142, 120, 220

Protanomaly
110, 126, 227

Deuteranomaly
108, 126, 218

Tritanomaly
132, 131, 174

Monochromacy



Original Color
142, 120, 220

Achromatopsia
138, 138, 138

Achromatomaly
139, 131, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 142, 120, 220 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(142, 120, 220)` looks like.

```
.text, #text, p{  
    color:rgb(142, 120, 220)  
}
```

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(142, 120, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 120, 220) }
```

Border

The CSS property to change the border of an element to RYB 142, 120, 220 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(142, 120, 220) }
```

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

```
.border{ border-color:rgb(142, 120, 220) }
```

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

Here you see how a box with a 4 pixel rgb(142, 120, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 120, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 120, 220);  
box-shadow:4px 4px 4px 4px rgb(142, 120,  
220) }
```

Background

The CSS property to change the background color of an element to RYB 142, 120, 220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 120, 220) }
```

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

```
.background{ background-color: rgb(142,  
120, 220) }
```

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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