

Converting Colors

`RYB(128, 104, 215)`

Have a look what the booklet for
RYB(128, 104, 215) contains.

RYB(128, 104, 215)	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(128, 104, 215)

Conversions

Conversions Part 1

Format	Color
Hex	8068D7
RGB	128, 104, 215
RGB Percent	50%, 41%, 84%
CMY	0.4980, 0.5922, 0.1569
CMYK	0.40, 0.52, 0.00, 0.16
HSL	253°, 58%, 63%
HSV	253°, 52%, 84%
XYZ	26.1181, 19.3961, 66.6572
YIQ	123.8300, -21.3270, 39.6090

Conversions

Conversions Part 2

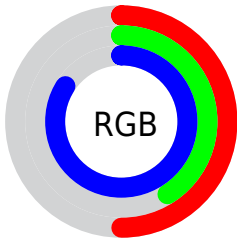
Format	Color
R _Y B	128, 104, 215
Decimal	8415447
CIE Lab	51.15, 35.64, -54.05
CIE LCh	51, 64.741, 303.398
Yxy	19.3961, 0.2328, 0.1729
Android (android.graphics.Color)	4286605527 (0xFF8068D7)
YUV	123.8300, 44.9468, 3.6571
Hunter-Lab	44.0410, 28.7861, -58.9082

Details

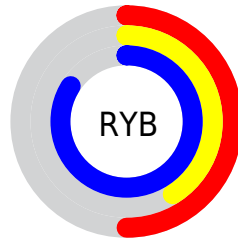
The RYB color **128, 104, 215** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **104, 215, 128**, and the grayscale version is **123, 123, 123**.

A 20% lighter version of the original color is **185, 156, 255**, and **72, 56, 159** is the 20% darker color. If you saturate the color by 10%, you get **111, 83, 215**, and if you desaturate by 10%, it is **145, 126, 215**.

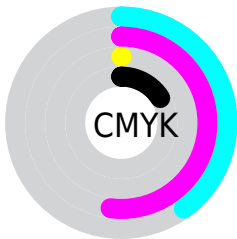
Distribution



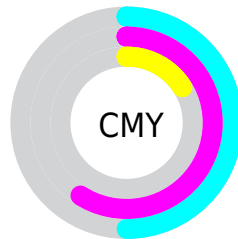
- Red (50%)
- Green (41%)
- Blue (84%)



- Red (50%)
- Yellow (41%)
- Blue (84%)



- Cyan (40%)
- Magenta (52%)
- Yellow (0%)
- Black (16%)



- Cyan (50%)
- Magenta (59%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the RYB color 128, 104, 215 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 128, 104, 215 by changing the saturation by 10% instead.

 128, 104, 215


255, 255, 255

 185, 156, 255

 214, 183, 255


 243, 211, 255


 255, 239, 255

 128, 104, 215

 100, 79, 187

 72, 56, 159

 41, 34, 133

 0, 11, 107

 0, 0, 82

 0, 5, 58


 0, 2, 35

 0, 0, 10

 0, 0, 0

 128, 104, 215

 128, 104, 215

 111, 83, 215


 145, 126, 215

 94, 61, 215

 162, 147, 215

 77, 40, 215

 179, 169, 215

 61, 18, 215

 195, 190, 215

 46, 0, 215

 212, 212, 215

 215, 233, 219

 215, 255, 224

 215, 255, 215

Harmonies

Analogous

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



0, 82, 233



128, 104, 215



192, 76, 172

Triad

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



128, 104, 215



170, 185, 7



0, 79, 147

Complementary

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



128, 104, 215



104, 215, 128

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, 96, 143



128, 104, 215



22, 141, 0

Square

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



128, 104, 215



213, 75, 64



4, 136, 56



0, 81, 182

Rectangle

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



128, 104, 215



213, 62, 137



4, 136, 56



0, 84, 146

Sweetspot

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



128, 104, 215



225, 217, 255



104, 153, 215



110, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



128, 104, 215



131, 97, 255



182, 104, 215



99, 96, 107



37, 0, 171



9, 0, 43

Inverse Universe

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



215, 104, 191



255, 97, 221



104, 215, 182



107, 96, 105



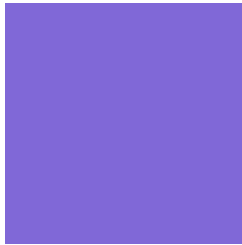
171, 0, 134



43, 0, 34

Previews

White Background



This preview shows how the RYB color 128, 104, 215 looks on a white background.

Color Contrast Check

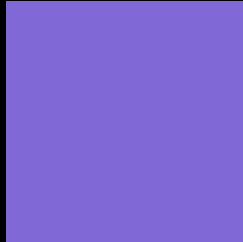
Large Text (above 18pt) WCAG AA ✓ Pass

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 128, 104, 215 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 128, 104, 215 Background



This preview shows how black text looks on a background with the RYB color 128, 104, 215.

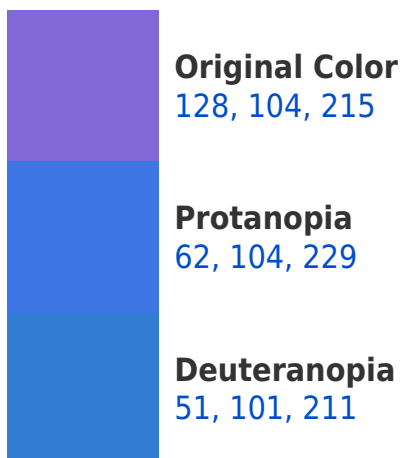


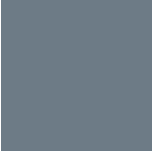
This preview shows how white text looks on a background with the RYB color 128, 104, 215.

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
109, 118, 134

Trichromacy



Original Color
128, 104, 215

Protanomaly
86, 109, 224

Deuteranomaly
79, 108, 212

Tritanomaly
116, 117, 163

Monochromacy



Original Color
128, 104, 215

Achromatopsia
124, 124, 124

Achromatomaly
125, 117, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 104, 215 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(128, 104, 215)` looks like.

```
.text, #text, p{  
    color:rgb(128, 104, 215)  
}
```

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(128, 104, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 104, 215) }
```

Border

The CSS property to change the border of an element to RYB 128, 104, 215 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(128, 104, 215) }
```

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

```
.border{ border-color:rgb(128, 104, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 104, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 104, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 104, 215);  
box-shadow:4px 4px 4px 4px rgb(128, 104,  
215) }
```

Background

The CSS property to change the background color of an element to RYB 128, 104, 215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 104, 215) }
```

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

```
.background{ background-color: rgb(128,  
104, 215) }
```

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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