

Converting Colors

`RYB(128, 21, 164)`

Have a look what the booklet for
RYB(128, 21, 164) contains.

RYB(128, 21, 164)	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, 21, 164)

Conversions

Conversions Part 1

Format	Color
Hex	8015A4
RGB	128, 21, 164
RGB Percent	50%, 8%, 64%
CMY	0.4980, 0.9176, 0.3569
CMYK	0.22, 0.87, 0.00, 0.36
HSL	285°, 77%, 36%
HSV	285°, 87%, 64%
XYZ	15.8711, 7.8059, 35.7921
YIQ	69.2950, 17.8690, 67.1570

Conversions

Conversions Part 2

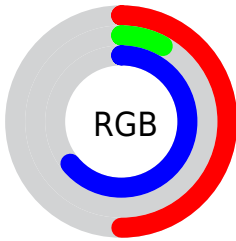
Format	Color
R_{YB}	128, 21, 164
Decimal	8394148
CIE _{Lab}	33.58, 61.65, -52.56
CIE _{LCh}	34, 81.009, 319.552
Yxy	7.8059, 0.2669, 0.1313
Android (android.graphics.Color)	4286584228 (0xFF8015A4)
YUV	69.2950, 46.6896, 51.4843
Hunter-Lab	27.9390, 52.5060, -56.3981

Details

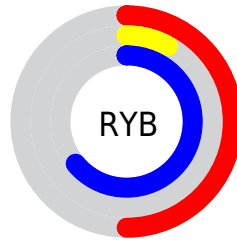
The RYB color **128, 21, 164** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **21, 164, 128**, and the grayscale version is **69, 69, 69**.

A 20% lighter version of the original color is **185, 83, 220**, and **73, 0, 111** is the 20% darker color. If you saturate the color by 10%, you get **124, 5, 164**, and if you desaturate by 10%, it is **132, 37, 164**.

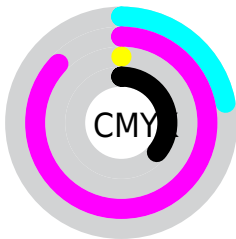
Distribution



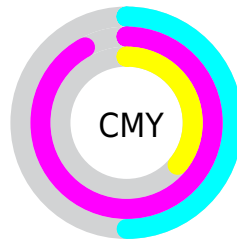
- Red (50%)
- Green (8%)
- Blue (64%)



- Red (50%)
- Yellow (8%)
- Blue (64%)



- Cyan (22%)
- Magenta (87%)
- Yellow (0%)
- Black (36%)




- Cyan (50%)
- Magenta (92%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 21, 164 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, 21, 164 by changing the saturation by 10% instead.

 128, 21, 164

 128, 21, 164

255, 255, 255

 100, 0, 137

 185, 83, 220

 73, 0, 111

 214, 110, 249

 46, 0, 86

 244, 138, 255

 14, 0, 62

 255, 166, 255

 0, 3, 39

 255, 194, 255

 0, 1, 16

 255, 223, 255

 0, 0, 0

 255, 252, 255

 128, 21, 164

 128, 21, 164

■ 124, 5, 164

■ 132, 37, 164

■ 123, 0, 164

■ 136, 54, 164

■ 140, 70, 164

■ 145, 87, 164

■ 149, 103, 164

■ 153, 119, 164

■ 157, 136, 164

■ 161, 152, 164

■ 164, 169, 168

Harmonies

Analogous

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



0, 54, 203



128, 21, 164



176, 0, 104

Triad

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



128, 21, 164



79, 116, 0



0, 56, 121

Complementary

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



128, 21, 164



21, 164, 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, 66, 101



128, 21, 164



0, 88, 32

Square

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



128, 21, 164



159, 24, 0



0, 97, 97



0, 65, 178

Rectangle

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



128, 21, 164



184, 0, 62



0, 97, 97



0, 52, 102

Sweetspot

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



128, 21, 164



200, 159, 214



21, 51, 164



99, 74, 107



235, 235, 235



107, 107, 107

Same Dimension

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



128, 21, 164



160, 0, 214



164, 21, 131



80, 73, 82



109, 0, 145



13, 0, 18

Inverse Universe

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



164, 21, 57



214, 0, 54



21, 137, 164



82, 73, 75



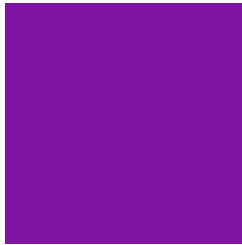
145, 0, 37



18, 0, 4

Previews

White Background



This preview shows how the RYB color 128, 21, 164 looks on a white background.

Color Contrast Check

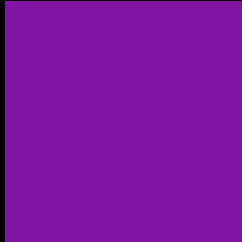
Large Text (above 18pt) WCAG AA ✓ Pass

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 128, 21, 164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

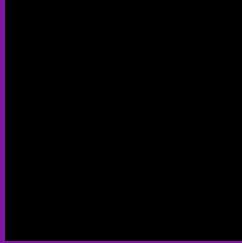
Any Text WCAG AA × Fail

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](#).

R Y B 128, 21, 164 Background



This preview shows how black text looks on a background with the R Y B color 128, 21, 164.

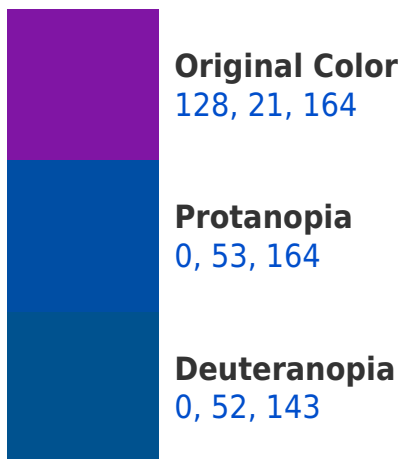


This preview shows how white text looks on a background with the R Y B color 128, 21, 164.

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
114, 66, 71

Trichromacy



Original Color

128, 21, 164



Protanomaly

47, 56, 164



Deuteranomaly

47, 59, 151



Tritanomaly

119, 50, 105

Monochromacy



Original Color

128, 21, 164



Achromatopsia

69, 69, 69



Achromatomaly

90, 52, 104

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 21, 164 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, 21, 164)` looks like.

```
.text, #text, p{  
    color:rgb(128, 21, 164)  
}
```

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, 21, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 21, 164) }
```

Border

The CSS property to change the border of an element to RYB 128, 21, 164 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, 21, 164) }
```

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

```
.border{ border-color:rgb(128, 21, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 21, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 21, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 21, 164);  
box-shadow:4px 4px 4px 4px rgb(128, 21,  
164) }
```

Background

The CSS property to change the background color of an element to RGB 128, 21, 164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 21, 164) }
```

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

```
.background{ background-color: rgb(128, 21,  
164) }
```

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