

Converting Colors

`RYB(88, 83, 164)`

Have a look what the booklet for
RYB(88, 83, 164) contains.

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Color

R_YB(88, 83, 164)

Conversions

Conversions Part 1

Format	Color
Hex	5853A4
RGB	88, 83, 164
RGB Percent	35%, 33%, 64%
CMY	0.6549, 0.6745, 0.3569
CMYK	0.46, 0.49, 0.00, 0.36
HSL	244°, 33%, 48%
HSV	244°, 49%, 64%
XYZ	13.8186, 10.9416, 36.5056
YIQ	93.7290, -23.0210, 26.2510

Conversions

Conversions Part 2

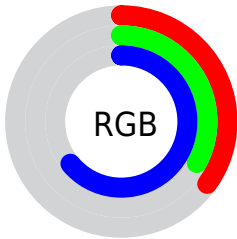
Format	Color
R_{YB}	88, 83, 164
Decimal	5788580
CIE _{Lab}	39.48, 23.77, -43.28
CIE _{LCh}	39, 49.378, 298.772
Yxy	10.9416, 0.2256, 0.1786
Android (android.graphics.Color)	4283978660 (0xFF5853A4)
YUV	93.7290, 34.6436, -5.0243
Hunter-Lab	33.0780, 16.6832, -42.2790

Details

The RYB color **88, 83, 164** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **83, 164, 88**, and the grayscale version is **93, 93, 93**.

A 20% lighter version of the original color is **142, 133, 220**, and **32, 38, 111** is the 20% darker color. If you saturate the color by 10%, you get **73, 67, 164**, and if you desaturate by 10%, it is **103, 99, 164**.

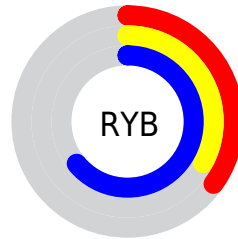
Distribution



Red (35%)

Green (33%)

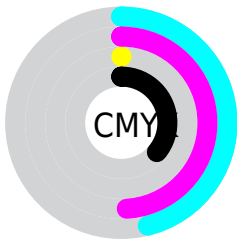
Blue (64%)



Red (35%)

Yellow (33%)

Blue (64%)

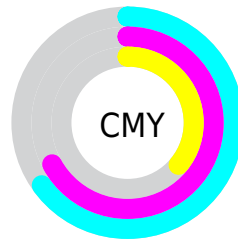


Cyan (46%)

Magenta (49%)

Yellow (0%)

Black (36%)



Cyan (65%)

Magenta (67%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 88, 83, 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 88, 83, 164 by changing the saturation by 10% instead.



88, 83, 164



88, 83, 164

255, 255, 255



61, 60, 137



142, 133, 220



32, 38, 111



170, 159, 248



0, 15, 87



198, 186, 255



0, 0, 63



227, 213, 255



0, 3, 40



255, 242, 255



0, 1, 18



0, 0, 0



88, 83, 164



88, 83, 164



73, 67, 164



103, 99, 164

■ 57, 50, 164

■ 119, 116, 164

■ 42, 34, 164

■ 134, 132, 164

■ 26, 17, 164

■ 150, 149, 164

■ 11, 1, 164

■ 164, 165, 164

■ 10, 0, 164

■ 164, 181, 165

■ 164, 198, 166

■ 164, 214, 167

■ 164, 231, 169

Harmonies

Analogous

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



0, 63, 174



88, 83, 164



139, 64, 135

Triad

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



88, 83, 164



144, 114, 21



0, 61, 111

Complementary

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



88, 83, 164



83, 164, 88

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, 74, 108



88, 83, 164



27, 113, 0

Square

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



88, 83, 164



162, 57, 57



9, 102, 37



0, 60, 131

Rectangle

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



88, 83, 164



157, 54, 110



9, 102, 37



0, 66, 111

Sweetspot

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



88, 83, 164



184, 182, 214



83, 122, 164



89, 88, 107



235, 235, 235



107, 107, 107

Same Dimension

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



88, 83, 164



96, 88, 214



128, 83, 164



74, 73, 82



9, 0, 145



1, 0, 18

Inverse Universe

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



164, 83, 159



214, 88, 206



83, 164, 128



82, 73, 81



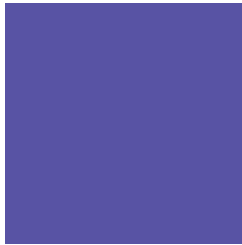
145, 0, 136



18, 0, 17

Previews

White Background



This preview shows how the RYB color 88, 83, 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 × Fail

Black Background



This preview shows how the RYB color 88, 83, 164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

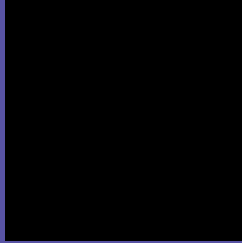
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

R_YB 88, 83, 164 Background



This preview shows how black text looks on a background with the R_YB color 88, 83, 164.

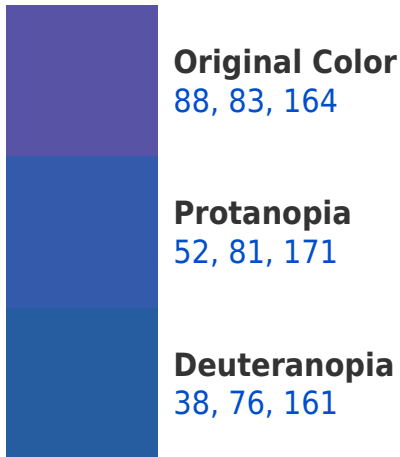


This preview shows how white text looks on a background with the R_YB color 88, 83, 164.

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
72, 86, 105

Trichromacy



Original Color
88, 83, 164

Protanomaly
65, 83, 168

Deuteranomaly
56, 82, 162

Tritanomaly
78, 89, 126

Monochromacy



Original Color
88, 83, 164

Achromatopsia
94, 94, 94

Achromatomaly
92, 90, 119

CSS Examples

Text

The CSS property to change the color of the text to RYB 88, 83, 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(88, 83, 164)` looks like.

```
.text, #text, p{  
    color:rgb(88, 83, 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(88, 83, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 83, 164) }
```

Border

The CSS property to change the border of an element to RYB 88, 83, 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(88, 83, 164) }
```

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

```
.border{ border-color:rgb(88, 83, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 83, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 83, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 83, 164);  
box-shadow:4px 4px 4px 4px rgb(88, 83,  
164) }
```

Background

The CSS property to change the background color of an element to RYB 88, 83, 164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 83, 164) }
```

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

```
.background{ background-color: rgb(88, 83,  
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](#).

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