

Converting Colors

`RYB(68, 89, 141)`

Have a look what the booklet for
RYB(68, 89, 141) contains.

RYB(68, 89, 141)	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

`RYB(68, 89, 141)`

Conversions

Conversions Part 1

Format	Color
Hex	44618D
RGB	68, 97, 141
RGB Percent	27%, 38%, 55%
CMY	0.7333, 0.6177, 0.4471
CMYK	0.52, 0.31, 0.00, 0.45
HSL	216°, 35%, 41%
HSV	216°, 52%, 55%
XYZ	11.5109, 11.7905, 26.8684
YIQ	93.3450, -31.4080, 7.5360

Conversions

Conversions Part 2

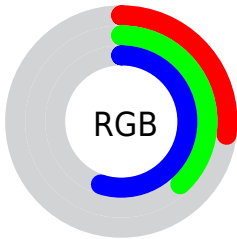
Format	Color
R_{YB}	68, 89, 141
Decimal	4481421
CIE _{Lab}	40.88, 2.20, -27.38
CIE _{LCh}	41, 27.463, 274.594
Yxy	11.7905, 0.2294, 0.2350
Android (android.graphics.Color)	4282671501 (0xFF44618D)
YUV	93.3450, 23.4939, -22.2276
Hunter-Lab	34.3374, -0.2520, -22.3573

Details

The RYB color **68, 89, 141** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **116, 141, 68**, and the grayscale version is **93, 93, 93**.

A 20% lighter version of the original color is **121, 140, 195**, and **9, 37, 91** is the 20% darker color. If you saturate the color by 10%, you get **54, 79, 141**, and if you desaturate by 10%, it is **82, 99, 141**.

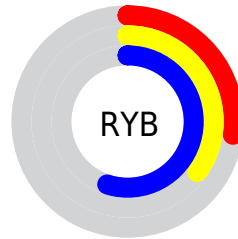
Distribution



Red (27%)

Green (38%)

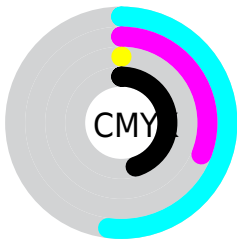
Blue (55%)



Red (27%)

Yellow (35%)

Blue (55%)

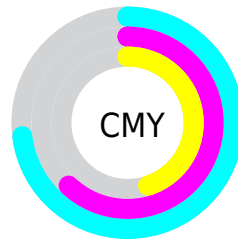


Cyan (52%)

Magenta (31%)

Yellow (0%)

Black (45%)



Cyan (73%)

Magenta (62%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the RYB color 68, 89, 141 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 68, 89, 141 by changing the saturation by 10% instead.



68, 89, 141



68, 89, 141

255, 255, 255



41, 64, 115



121, 141, 195



9, 37, 91



147, 167, 223



0, 21, 67



175, 195, 252



0, 5, 45



203, 221, 255



0, 1, 23



232, 244, 255



0, 0, 0



68, 89, 141



68, 89, 141



54, 79, 141



82, 99, 141



40, 69, 141



96, 109, 141

■ 26, 59, 141

■ 110, 119, 141

■ 12, 49, 141

■ 124, 129, 141

■ 0, 41, 141

■ 139, 140, 141

■ 150, 153, 141

■ 160, 167, 141

■ 168, 181, 141

■ 178, 195, 141

Harmonies

Analogous

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



18, 68, 137



68, 89, 141



103, 89, 133

Triad

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



68, 89, 141



138, 82, 72



55, 92, 107

Complementary

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



68, 89, 141



116, 141, 68

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.



58, 103, 77



68, 89, 141



126, 115, 56

Square

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



68, 89, 141



139, 78, 94



65, 107, 51



15, 64, 108

Rectangle

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



68, 89, 141



121, 84, 123



65, 107, 51



65, 102, 106

Sweetspot

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



68, 89, 141



154, 163, 184



68, 114, 141



74, 79, 92



219, 219, 219



92, 92, 92

Same Dimension

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



68, 89, 141



70, 103, 184



74, 68, 141



64, 66, 71



0, 39, 135



0, 2, 8

Inverse Universe

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



141, 68, 97



184, 70, 116



68, 141, 74



71, 64, 67



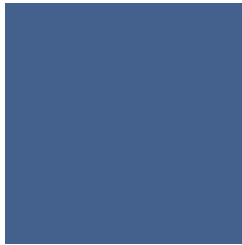
135, 0, 55



8, 0, 3

Previews

White Background



This preview shows how the RYB color 68, 89, 141 looks on a white background.

Color Contrast Check

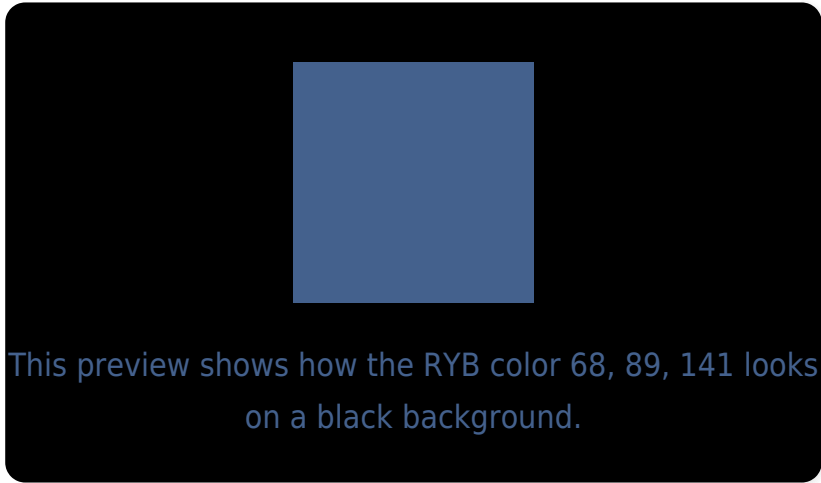
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 Y B 68, 89, 141 Background



This preview shows how black text looks on a background with the R Y B color 68, 89, 141.

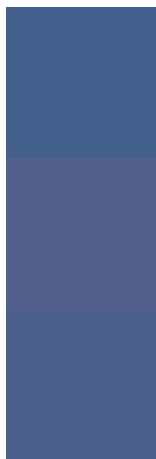


This preview shows how white text looks on a background with the R Y B color 68, 89, 141.

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


68, 89, 141

Protanopia

82, 93, 139

Deuteranopia

77, 91, 141



Tritanopia
58, 83, 112

Trichromacy



Original Color

68, 89, 141

Protanomaly

77, 92, 140

Deuteranomaly

74, 91, 141

Tritanomaly

62, 86, 123

Monochromacy



Original Color

68, 89, 141

Achromatopsia

94, 94, 94

Achromatomaly

85, 92, 111

CSS Examples

Text

The CSS property to change the color of the text to RYB 68, 89, 141 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(68, 97, 141)` looks like.

```
.text, #text, p{  
    color:rgb(68, 97, 141)  
}
```

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(68, 97, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 97, 141) }
```

Border

The CSS property to change the border of an element to RYB 68, 89, 141 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(68, 97, 141) }
```

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

```
.border{ border-color:rgb(68, 97, 141) }
```

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

Here you see how a box with a 4 pixel rgb(68, 97, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 97, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 97, 141);  
box-shadow:4px 4px 4px 4px rgb(68, 97,  
141) }
```

Background

The CSS property to change the background color of an element to RYB 68, 89, 141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 97, 141) }
```

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

```
.background{ background-color: rgb(68, 97,  
141) }
```

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