

Converting Colors

R_YB(68, 77, 108)

Have a look what the booklet for
RYB(68, 77, 108) contains.

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Color

R_YB(68, 77, 108)

Conversions

Conversions Part 1

Format	Color
Hex	44506C
RGB	68, 80, 108
RGB Percent	27%, 31%, 42%
CMY	0.7333, 0.6878, 0.5765
CMYK	0.37, 0.26, 0.00, 0.58
HSL	223°, 23%, 35%
HSV	223°, 37%, 42%
XYZ	7.9311, 7.9924, 15.3120
YIQ	79.6040, -16.1400, 6.1640

Conversions

Conversions Part 2

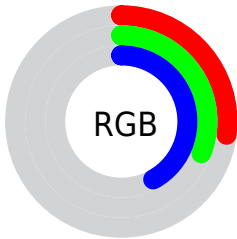
Format	Color
RYB	68, 77, 108
Decimal	4477036
CIELab	33.97, 3.12, -17.85
CIElCh	34, 18.125, 279.899
Yxy	7.9924, 0.2539, 0.2559
Android (android.graphics.Color)	4282667116 (0xFF44506C)
YUV	79.6040, 13.9992, -10.1767
Hunter-Lab	28.2709, 0.6019, -12.3229

Details

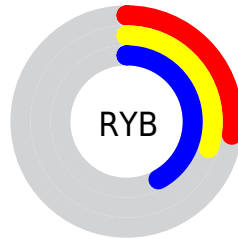
The RYB color **68, 77, 108** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **85, 108, 68**, and the grayscale version is **79, 79, 79**.

A 20% lighter version of the original color is **117, 126, 160**, and **21, 32, 60** is the 20% darker color. If you saturate the color by 10%, you get **57, 69, 108**, and if you desaturate by 10%, it is **79, 85, 108**.

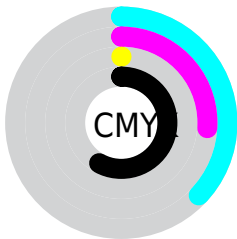
Distribution



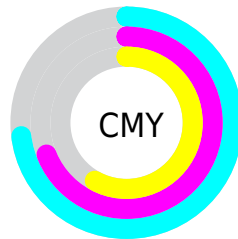
- Red (27%)
- Green (31%)
- Blue (42%)



- Red (27%)
- Yellow (30%)
- Blue (42%)



- Cyan (37%)
- Magenta (26%)
- Yellow (0%)
- Black (58%)






















- Cyan (73%)
- Magenta (69%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 68, 77, 108 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, 77, 108 by changing the saturation by 10% instead.

 68, 77, 108	 68, 77, 108
 255, 255, 255	 45, 54, 84
 117, 126, 160	 21, 31, 60
 144, 153, 187	 0, 10, 39
 170, 179, 214	 0, 1, 17
 198, 207, 243	 0, 0, 0
 226, 234, 255	

 68, 77, 108	 68, 77, 108
 57, 69, 108	 79, 85, 108
 46, 60, 108	 90, 94, 108

■ 36, 52, 108

■ 100, 102, 108

■ 25, 44, 108

■ 110, 111, 108

■ 14, 35, 108

■ 114, 122, 108

■ 3, 27, 108

■ 118, 133, 108

■ 0, 24, 108

■ 124, 144, 108

■ 126, 154, 108

■ 130, 165, 108

Harmonies

Analogous

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



47, 70, 106



68, 77, 108



88, 74, 102

Triad

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



68, 77, 108



107, 73, 62



52, 75, 87

Complementary

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



68, 77, 108



85, 108, 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.



57, 84, 72



68, 77, 108



96, 98, 53

Square

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



68, 77, 108



108, 69, 76



56, 85, 51



37, 64, 88

Rectangle

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



68, 77, 108



98, 72, 95



56, 85, 51



58, 80, 86

Sweetspot

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



68, 77, 108



125, 128, 140



68, 92, 108



62, 64, 71



199, 199, 199



71, 71, 71

Same Dimension

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



68, 77, 108



79, 92, 140



76, 68, 108



48, 50, 54



0, 26, 117



0, 55, 245

Inverse Universe

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



108, 68, 80



140, 79, 96



68, 108, 76



54, 48, 50



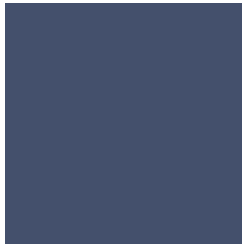
117, 0, 34



245, 0, 71

Previews

White Background



This preview shows how the RYB color 68, 77, 108 looks on a white background.

Color Contrast Check

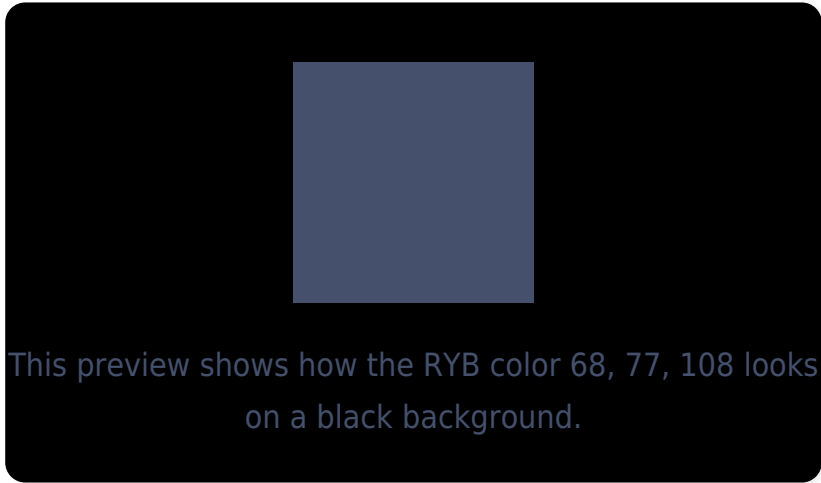
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

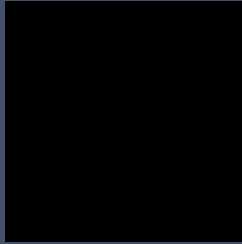
Any Text WCAG AA × Fail

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_YB 68, 77, 108 Background



This preview shows how black text looks on a background with the R_YB color 68, 77, 108.

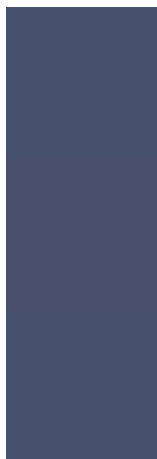


This preview shows how white text looks on a background with the R_YB color 68, 77, 108.

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

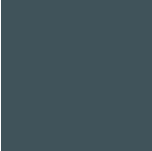
68, 77, 108

Protanopia

72, 78, 107

Deuteranopia

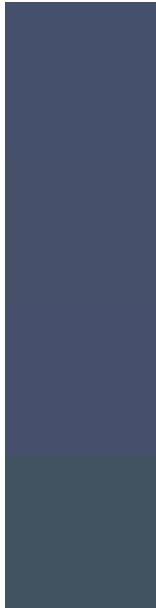
71, 78, 108



Tritanopia

64, 75, 90

Trichromacy



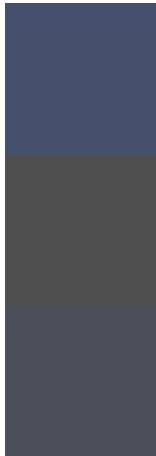
Original Color
68, 77, 108

Protanomaly
71, 78, 107

Deuteranomaly
70, 77, 108

Tritanomaly
65, 76, 97

Monochromacy



Original Color
68, 77, 108

Achromatopsia
79, 79, 79

Achromatomaly
75, 78, 90

CSS Examples

Text

The CSS property to change the color of the text to RYB 68, 77, 108 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, 80, 108) looks like.

```
.text, #text, p{  
    color:rgb(68, 80, 108)  
}
```

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, 80, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 80, 108) }
```

Border

The CSS property to change the border of an element to RYB 68, 77, 108 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, 80, 108) }
```

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

```
.border{ border-color:rgb(68, 80, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 80, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 80, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 80, 108);  
box-shadow:4px 4px 4px 4px rgb(68, 80,  
108) }
```

Background

The CSS property to change the background color of an element to RYB 68, 77, 108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 80, 108) }
```

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

```
.background{ background-color: rgb(68, 80,  
108) }
```

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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