

Converting Colors

`RYB(67, 67, 115)`

Have a look what the booklet for
RYB(67, 67, 115) contains.

RYB(67, 67, 115)	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(67, 67, 115)

Conversions

Conversions Part 1

Format	Color
Hex	434373
RGB	67, 67, 115
RGB Percent	26%, 26%, 45%
CMY	0.7373, 0.7373, 0.5490
CMYK	0.42, 0.42, 0.00, 0.55
HSL	240°, 26%, 36%
HSV	240°, 42%, 45%
XYZ	7.4164, 6.4454, 17.0729
YIQ	72.4720, -15.4080, 14.9280

Conversions

Conversions Part 2

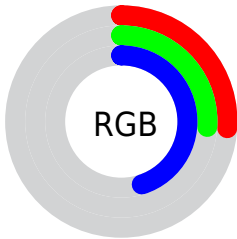
Format	Color
RYB	67, 67, 115
Decimal	4408179
CIELab	30.51, 13.19, -27.66
CIELCh	31, 30.642, 295.491
Yxy	6.4454, 0.2397, 0.2084
Android (android.graphics.Color)	4282598259 (0xFF434373)
YUV	72.4720, 20.9663, -4.7989
Hunter-Lab	25.3878, 7.7156, -22.1000

Details

The RYB color **67, 67, 115** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **67, 115, 67**, and the grayscale version is **72, 72, 72**.

A 20% lighter version of the original color is **117, 115, 167**, and **18, 23, 66** is the 20% darker color. If you saturate the color by 10%, you get **56, 56, 115**, and if you desaturate by 10%, it is **79, 79, 115**.

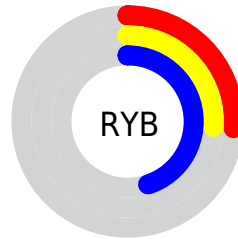
Distribution



Red (26%)

Green (26%)

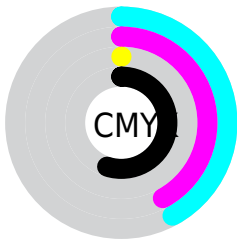
Blue (45%)



Red (26%)

Yellow (26%)

Blue (45%)

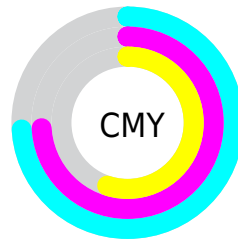


Cyan (42%)

Magenta (42%)

Yellow (0%)

Black (55%)



Cyan (74%)

Magenta (74%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RYB color 67, 67, 115 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 67, 67, 115 by changing the saturation by 10% instead.



67, 67, 115



67, 67, 115

255, 255, 255



43, 45, 90



117, 115, 167



18, 23, 66



144, 140, 195



0, 0, 44



171, 167, 223



0, 1, 23



198, 194, 251



0, 0, 0



227, 222, 255



255, 250, 255



67, 67, 115



67, 67, 115



56, 56, 115



79, 79, 115

■ 44, 44, 115

■ 90, 90, 115

■ 33, 33, 115

■ 102, 102, 115

■ 21, 21, 115

■ 113, 113, 115

■ 9, 9, 115

■ 115, 125, 115

■ 0, 0, 115

■ 115, 136, 115

■ 115, 147, 115

■ 115, 159, 115

■ 115, 171, 115

Harmonies

Analogous

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



1, 47, 119



67, 67, 115



98, 57, 99

Triad

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



67, 67, 115



106, 76, 33



0, 46, 83

Complementary

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



67, 67, 115



67, 115, 67

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.



35, 73, 81



67, 67, 115



49, 88, 22

Square

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



67, 67, 115



116, 53, 53



26, 77, 38



0, 44, 92

Rectangle

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



67, 67, 115



110, 52, 84



26, 77, 38



0, 49, 83

Sweetspot

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



67, 67, 115



131, 131, 150



67, 91, 115



64, 64, 77



204, 204, 204



77, 77, 77

Same Dimension

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



67, 67, 115



75, 75, 150



91, 67, 115



53, 53, 59



0, 0, 122



0, 0, 250

Inverse Universe

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



115, 67, 115



150, 75, 150



67, 115, 91



59, 53, 59



122, 0, 122



250, 0, 250

Previews

White Background



This preview shows how the RYB color 67, 67, 115 looks on a white background.

Color Contrast Check

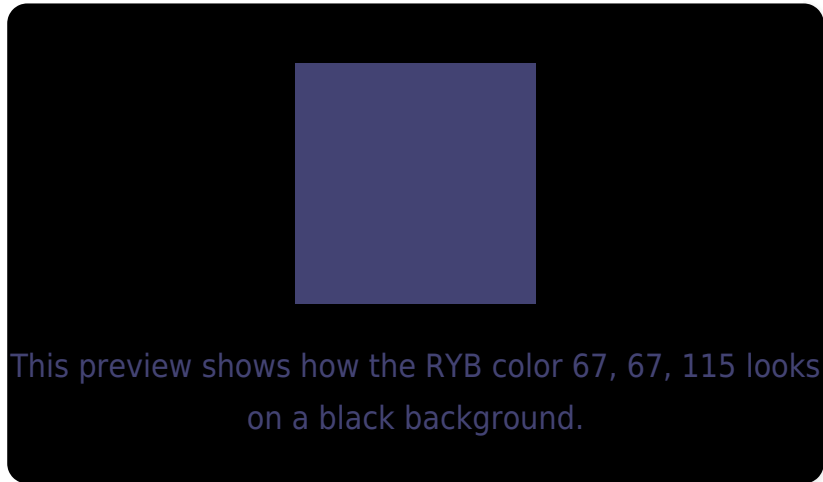
Large Text (above 18pt) WCAG AA ✓ Pass

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

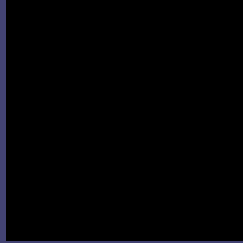
Any Text WCAG AA × Fail

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 67, 67, 115 Background



This preview shows how black text looks on a background with the R_YB color 67, 67, 115.



This preview shows how white text looks on a background with the R_YB color 67, 67, 115.

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

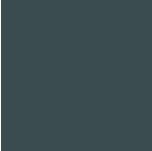
67, 67, 115

Protanopia

53, 66, 118

Deuteranopia

48, 66, 114



Tritanopia

58, 68, 80

Trichromacy



Original Color
67, 67, 115

Protanomaly
58, 67, 117

Deuteranomaly
55, 67, 114

Tritanomaly
61, 69, 93

Monochromacy



Original Color
67, 67, 115

Achromatopsia
72, 72, 72

Achromatomaly
70, 70, 88

CSS Examples

Text

The CSS property to change the color of the text to RYB 67, 67, 115 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(67, 67, 115)` looks like.

```
.text, #text, p{  
    color:rgb(67, 67, 115)  
}
```

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(67, 67, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 67, 115) }
```

Border

The CSS property to change the border of an element to RYB 67, 67, 115 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(67, 67, 115) }
```

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

```
.border{ border-color:rgb(67, 67, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 67, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 67, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 67, 115);  
box-shadow:4px 4px 4px 4px rgb(67, 67,  
115) }
```

Background

The CSS property to change the background color of an element to RGB 67, 67, 115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 67, 115) }
```

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

```
.background{ background-color: rgb(67, 67,  
115) }
```

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