

Converting Colors

`RYB(65, 95, 137)`

Have a look what the booklet for
RYB(65, 95, 137) contains.

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Color

R_YB(65, 95, 137)

Conversions

Conversions Part 1

Format	Color
Hex	417489
RGB	65, 116, 137
RGB Percent	25%, 45%, 54%
CMY	0.7451, 0.5434, 0.4627
CMYK	0.53, 0.15, 0.00, 0.46
HSL	197°, 36%, 40%
HSV	197°, 53%, 54%
XYZ	12.9902, 15.5198, 25.9779
YIQ	103.1450, -37.1370, -4.2810

Conversions

Conversions Part 2

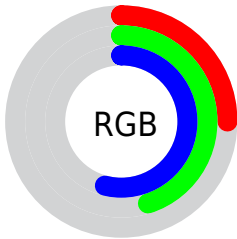
Format	Color
R_{YB}	65, 95, 137
Decimal	4289673
CIE _{Lab}	46.34, -11.15, -16.57
CIE _{LCh}	46, 19.967, 236.061
Yxy	15.5198, 0.2384, 0.2848
Android (android.graphics.Color)	4282479753 (0xFF417489)
YUV	103.1450, 16.6905, -33.4532
Hunter-Lab	39.3952, -10.0826, -11.5203

Details

The RYB color **65, 95, 137** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **137, 95, 65**, and the grayscale version is **103, 103, 103**.

A 20% lighter version of the original color is **118, 148, 190**, and **2, 39, 87** is the 20% darker color. If you saturate the color by 10%, you get **51, 87, 137**, and if you desaturate by 10%, it is **79, 103, 137**.

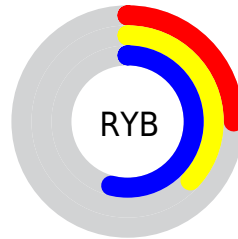
Distribution



Red (25%)

Green (45%)

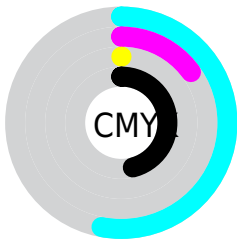
Blue (54%)



Red (25%)

Yellow (37%)

Blue (54%)

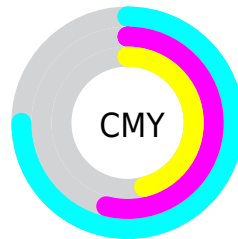


Cyan (53%)

Magenta (15%)

Yellow (0%)

Black (46%)



Cyan (75%)

Magenta (54%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the RYB color 65, 95, 137 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 65, 95, 137 by changing the saturation by 10% instead.



65, 95, 137



65, 95, 137

255, 255, 255



38, 69, 112



118, 148, 190



2, 39, 87



145, 175, 218



0, 27, 64



172, 203, 247



0, 16, 42



201, 227, 255



0, 1, 21



229, 242, 255



0, 0, 0



65, 95, 137



65, 95, 137



51, 87, 137



79, 103, 137



38, 79, 137



92, 111, 137

■ 24, 71, 137

■ 106, 119, 137

■ 10, 63, 137

■ 120, 127, 137

■ 0, 57, 137

■ 133, 135, 137

■ 147, 141, 137

■ 161, 147, 137

■ 175, 152, 137

■ 188, 158, 137

Harmonies

Analogous

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



59, 90, 124



65, 95, 137



85, 103, 143

Triad

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



65, 95, 137



141, 98, 113



79, 113, 86

Complementary

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



65, 95, 137



137, 95, 65

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.



101, 124, 77



65, 95, 137



143, 98, 96

Square

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



65, 95, 137



129, 101, 129



137, 112, 83



87, 113, 117

Rectangle

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



65, 95, 137



102, 107, 142



137, 112, 83



78, 113, 77

Sweetspot

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



65, 95, 137



150, 162, 179



65, 121, 137



72, 79, 89



217, 217, 217



89, 89, 89

Same Dimension

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



65, 95, 137



66, 113, 179



65, 78, 137



62, 65, 69



0, 55, 133



0, 2, 5

Inverse Universe

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



137, 65, 116



179, 66, 146



86, 137, 65



69, 62, 67



133, 0, 95



5, 0, 4

Previews

White Background



This preview shows how the RYB color 65, 95, 137 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 65, 95, 137 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

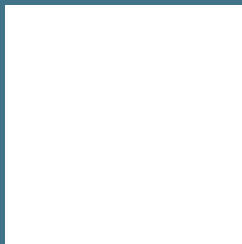
Any Text WCAG AAA × Fail

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

RYP 65, 95, 137 Background



This preview shows how black text looks on a background with the RYP color 65, 95, 137.

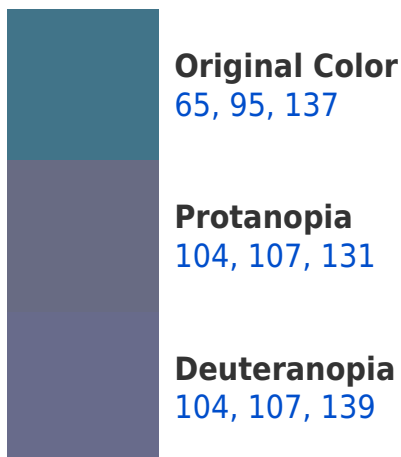


This preview shows how white text looks on a background with the RYP color 65, 95, 137.

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
62, 92, 128

Trichromacy



Original Color
65, 95, 137

Protanomaly
90, 104, 133

Deuteranomaly
90, 104, 138

Tritanomaly
63, 93, 131

Monochromacy



Original Color
65, 95, 137

Achromatopsia
103, 103, 103

Achromatomaly
89, 100, 115

CSS Examples

Text

The CSS property to change the color of the text to RYB 65, 95, 137 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(65, 116, 137)` looks like.

```
.text, #text, p{  
    color:rgb(65, 116, 137)  
}
```

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(65, 116, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 116, 137) }
```

Border

The CSS property to change the border of an element to RYB 65, 95, 137 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(65, 116, 137) }
```

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

```
.border{ border-color:rgb(65, 116, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 116, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 116, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 116, 137);  
box-shadow:4px 4px 4px 4px rgb(65, 116,  
137) }
```

Background

The CSS property to change the background color of an element to RYB 65, 95, 137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 116, 137) }
```

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

```
.background{ background-color: rgb(65, 116,  
137) }
```

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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