

Converting Colors

`RYB(65, 125, 170)`

Have a look what the booklet for
RYB(65, 125, 170) contains.

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Color

`RYB(65, 125, 170)`

Conversions

Conversions Part 1

Format	Color
Hex	41AA90
RGB	65, 170, 144
RGB Percent	25%, 67%, 56%
CMY	0.7451, 0.3333, 0.4363
CMYK	0.62, 0.00, 0.15, 0.33
HSL	165°, 45%, 46%
HSV	165°, 62%, 67%
XYZ	21.5696, 31.8792, 31.3020
YIQ	135.6410, -54.2340, -30.3460

Conversions

Conversions Part 2

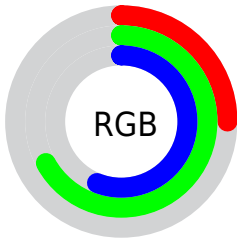
Format	Color
RYB	65, 125, 170
Decimal	4303504
CIELab	63.24, -36.58, 4.63
CIElCh	63, 36.876, 172.790
Yxy	31.8792, 0.2545, 0.3762
Android (android.graphics.Color)	4282493584 (0xFF41AA90)
YUV	135.6410, 4.1210, -61.9522
Hunter-Lab	56.4617, -30.6170, 6.6533

Details

The RYB color **65, 125, 170** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **170, 65, 91**, and the grayscale version is **136, 136, 136**.

A 20% lighter version of the original color is **123, 183, 226**, and **0, 65, 117** is the 20% darker color. If you saturate the color by 10%, you get **48, 118, 170**, and if you desaturate by 10%, it is **82, 132, 170**.

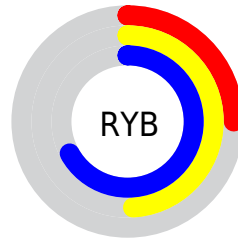
Distribution



Red (25%)

Green (67%)

Blue (56%)



Red (25%)

Yellow (49%)

Blue (67%)

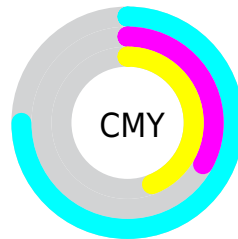


Cyan (62%)

Magenta (0%)

Yellow (15%)

Black (33%)



Cyan (75%)

Magenta (33%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the RYB color 65, 125, 170 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, 125, 170 by changing the saturation by 10% instead.



65, 125, 170



65, 125, 170

255, 255, 255



30, 94, 143



123, 183, 226



0, 65, 117



152, 212, 255



0, 52, 92



181, 218, 255



0, 39, 67



210, 233, 255



0, 28, 45



239, 247, 255



0, 20, 20



0, 0, 0



65, 125, 170



65, 125, 170



48, 118, 170



82, 132, 170

■ 31, 111, 170

■ 99, 140, 170

■ 14, 103, 170

■ 116, 147, 170

■ 0, 97, 170

■ 133, 154, 170

■ 150, 161, 170

■ 167, 169, 170

■ 184, 170, 173

■ 201, 170, 178

■ 218, 170, 182

Harmonies

Analogous

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



111, 165, 166



65, 125, 170



0, 87, 177

Triad

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



65, 125, 170



145, 148, 213



205, 155, 102

Complementary

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



65, 125, 170



170, 65, 91

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.



217, 129, 129



65, 125, 170



187, 136, 193

Square

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



65, 125, 170



89, 134, 218



211, 128, 162



139, 181, 88

Rectangle

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



65, 125, 170



0, 91, 197



211, 128, 162



211, 141, 110

Sweetspot

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



65, 125, 170



180, 204, 222



65, 170, 144



86, 101, 112



240, 240, 240



112, 112, 112

Same Dimension

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



65, 125, 170



58, 152, 222



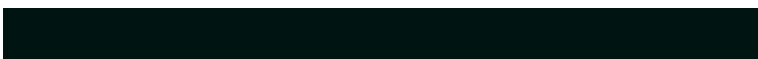
65, 110, 170



76, 81, 84



0, 85, 148



0, 11, 20

Inverse Universe

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



170, 65, 91



222, 58, 99



170, 100, 65



84, 76, 78



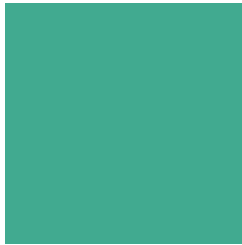
148, 0, 37



20, 0, 5

Previews

White Background



This preview shows how the RYB color 65, 125, 170 looks on a white 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

Black Background



This preview shows how the RYB color 65, 125, 170 looks on a black 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

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

RYB 65, 125, 170 Background



This preview shows how black text looks on a background with the RYB color 65, 125, 170.

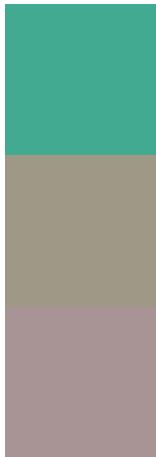


This preview shows how white text looks on a background with the RYB color 65, 125, 170.

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
65, 125, 170

Protanopia
144, 159, 134

Deuteranopia
168, 147, 149



Tritanopia
78, 125, 178

Trichromacy



Original Color

65, 125, 170



Protanomaly

125, 150, 159



Deuteranomaly

131, 145, 155



Tritanomaly

73, 120, 167

Monochromacy



Original Color

65, 125, 170



Achromatopsia

136, 136, 136



Achromatomaly

110, 132, 148

CSS Examples

Text

The CSS property to change the color of the text to RYB 65, 125, 170 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, 170, 144)` looks like.

```
.text, #text, p{  
    color:rgb(65, 170, 144)  
}
```

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, 170, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 170, 144) }
```

Border

The CSS property to change the border of an element to RYB 65, 125, 170 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, 170, 144) }
```

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

```
.border{ border-color:rgb(65, 170, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 170, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 170, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 170, 144);  
box-shadow:4px 4px 4px 4px rgb(65, 170,  
144) }
```

Background

The CSS property to change the background color of an element to RGB 65, 125, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 170, 144) }
```

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

```
.background{ background-color: rgb(65, 170,  
144) }
```

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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