

Converting Colors

`RYB(31, 125, 170)`

Have a look what the booklet for
RYB(31, 125, 170) contains.

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Color

`RYB(31, 125, 170)`

Conversions

Conversions Part 1

Format	Color
Hex	1FAA62
RGB	31, 170, 98
RGB Percent	12%, 67%, 38%
CMY	0.8784, 0.3333, 0.6175
CMYK	0.82, 0.00, 0.43, 0.33
HSL	149°, 69%, 39%
HSV	149°, 82%, 67%
XYZ	17.1229, 29.9140, 16.3139
YIQ	120.2310, -59.7320, -51.8600

Conversions

Conversions Part 2

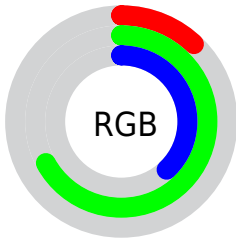
Format	Color
RYB	31, 125, 170
Decimal	2075234
CIELab	61.58, -52.01, 27.53
CIElCh	62, 58.845, 152.103
Yxy	29.9140, 0.2703, 0.4722
Android (android.graphics.Color)	4280265314 (0xFF1FAA62)
YUV	120.2310, -10.9599, -78.2556
Hunter-Lab	54.6937, -39.8312, 20.6007

Details

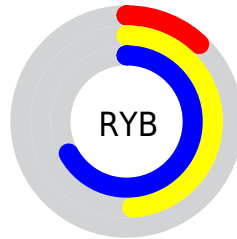
The RYB color **31, 125, 170** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **170, 31, 103**, and the grayscale version is **120, 120, 120**.

A 20% lighter version of the original color is **101, 191, 226**, and **0, 81, 116** is the 20% darker color. If you saturate the color by 10%, you get **14, 119, 170**, and if you desaturate by 10%, it is **48, 131, 170**.

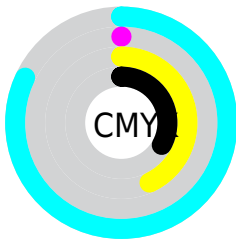
Distribution



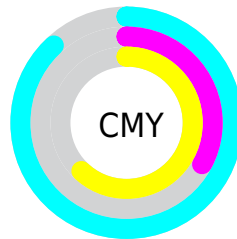
- Red (12%)
- Green (67%)
- Blue (38%)



- Red (12%)
- Yellow (49%)
- Blue (67%)



- Cyan (82%)
- Magenta (0%)
- Yellow (43%)
- Black (33%)



- Cyan (88%)
- Magenta (33%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the RYB color 31, 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 31, 125, 170 by changing the saturation by 10% instead.

 31, 125, 170  31, 125, 170

255, 255, 255  0, 95, 143

 101, 191, 226  0, 81, 116

 131, 222, 255  0, 70, 91

 160, 225, 255  0, 63, 66

 190, 229, 255  0, 44, 44

 219, 237, 255  0, 11, 11

 250, 253, 255  0, 0, 0

 31, 125, 170  31, 125, 170

 14, 119, 170  48, 131, 170

■ 0, 115, 170

■ 65, 136, 170

■ 82, 142, 170

■ 99, 147, 170

■ 116, 152, 170

■ 133, 158, 170

■ 150, 163, 170

■ 167, 169, 170

■ 184, 170, 177

Harmonies

Analogous

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



53, 162, 95



31, 125, 170



0, 93, 174

Triad

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



31, 125, 170



0, 95, 253



239, 109, 96

Complementary

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



31, 125, 170



170, 31, 103

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.



241, 100, 147



31, 125, 170



154, 133, 237

Square

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



31, 125, 170



0, 98, 240



215, 111, 198



214, 190, 55

Rectangle

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



31, 125, 170



0, 90, 186



215, 111, 198



243, 103, 113

Sweetspot

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



31, 125, 170



166, 204, 222



31, 170, 96



79, 101, 112



240, 240, 240



112, 112, 112

Same Dimension

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



31, 125, 170



4, 151, 222



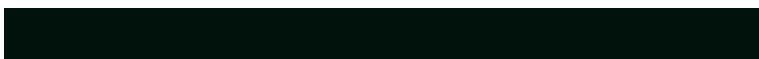
31, 102, 170



76, 81, 84



0, 100, 148



0, 13, 20

Inverse Universe

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



170, 31, 103



222, 4, 118



170, 31, 36



84, 76, 80



148, 0, 77



20, 0, 11

Previews

White Background



This preview shows how the RYB color 31, 125, 170 looks on a white 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

Black Background



This preview shows how the RYB color 31, 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 × Fail

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

RGB 31, 125, 170 Background



This preview shows how black text looks on a background with the RGB color 31, 125, 170.



This preview shows how white text looks on a background with the RGB color 31, 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
31, 125, 170

Protanopia
105, 161, 89

Deuteranopia
172, 176, 104



Tritanopia
68, 118, 174

Trichromacy



Original Color

31, 125, 170



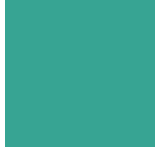
Protanomaly

92, 156, 134



Deuteranomaly

102, 152, 131



Tritanomaly

55, 114, 164

Monochromacy



Original Color

31, 125, 170



Achromatopsia

120, 120, 120



Achromatomaly

88, 122, 138

CSS Examples

Text

The CSS property to change the color of the text to RYB 31, 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(31, 170, 98)` looks like.

```
.text, #text, p{  
    color:rgb(31, 170, 98)  
}
```

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(31, 170, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 170, 98) }
```

Border

The CSS property to change the border of an element to RYB 31, 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(31, 170, 98) }
```

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

```
.border{ border-color:rgb(31, 170, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 170, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 170, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 170, 98);  
box-shadow:4px 4px 4px 4px rgb(31, 170,  
98) }
```

Background

The CSS property to change the background color of an element to RGB 31, 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(31, 170, 98) }
```

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

```
.background{ background-color: rgb(31, 170,  
98) }
```

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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