

Converting Colors

`RYB(28, 159, 187)`

Have a look what the booklet for
RYB(28, 159, 187) contains.

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Color

$\text{RYB}(28, 159, 187)$

Conversions

Conversions Part 1

Format	Color
Hex	1CBB3E
RGB	28, 187, 62
RGB Percent	11%, 73%, 24%
CMY	0.8902, 0.2667, 0.7569
CMYK	0.85, 0.00, 0.67, 0.27
HSL	133°, 74%, 42%
HSV	133°, 85%, 73%
XYZ	19.1183, 36.1352, 10.5224
YIQ	125.2090, -54.6390, -72.5830

Conversions

Conversions Part 2

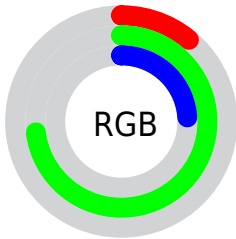
Format	Color
RYB	28, 159, 187
Decimal	1882942
CIELab	66.62, -63.17, 50.67
CIELCh	67, 80.987, 141.266
Yxy	36.1352, 0.2907, 0.5494
Android (android.graphics.Color)	4280073022 (0xFF1CBB3E)
YUV	125.2090, -31.1620, -85.2523
Hunter-Lab	60.1125, -48.4265, 31.7004

Details

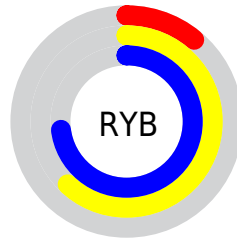
The RYB color **28, 159, 187** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **187, 28, 153**, and the grayscale version is **126, 126, 126**.

A 20% lighter version of the original color is **105, 235, 244**, and **0, 132, 132** is the 20% darker color. If you saturate the color by 10%, you get **9, 156, 187**, and if you desaturate by 10%, it is **47, 162, 187**.

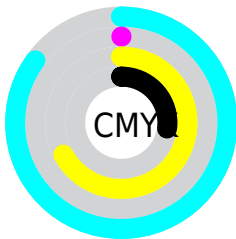
Distribution



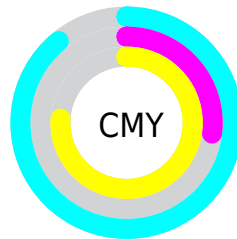
- Red (11%)
- Green (73%)
- Blue (24%)



- Red (11%)
- Yellow (62%)
- Blue (73%)



- Cyan (85%)
- Magenta (0%)
- Yellow (67%)
- Black (27%)



- Cyan (89%)
- Magenta (27%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the RYB color 28, 159, 187 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 28, 159, 187 by changing the saturation by 10% instead.



28, 159, 187



28, 159, 187

255, 255, 255



0, 131, 159



105, 235, 244



0, 132, 132



136, 249, 255



0, 106, 106



167, 253, 255



0, 80, 80



197, 254, 255



0, 56, 56



226, 255, 253



0, 31, 31



0, 0, 0



28, 159, 187



28, 159, 187



9, 156, 187



47, 162, 187

■ 0, 154, 187

■ 65, 166, 187

■ 84, 169, 187

■ 103, 172, 187

■ 121, 175, 187

■ 140, 179, 187

■ 159, 182, 187

■ 178, 185, 187

■ 196, 187, 194

Harmonies

Analogous

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



0, 174, 29



28, 159, 187



0, 113, 193

Triad

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



28, 159, 187



0, 104, 255



255, 86, 114

Complementary

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



28, 159, 187



187, 28, 153

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.



255, 83, 187



28, 159, 187



109, 142, 255

Square

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



28, 159, 187



0, 109, 255



228, 116, 254



255, 159, 45

Rectangle

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



28, 159, 187



0, 99, 195



228, 116, 254



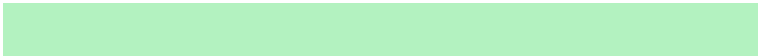
255, 80, 138

Sweetspot

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



28, 159, 187



179, 231, 242



28, 187, 60



84, 115, 122



250, 250, 250



122, 122, 122

Same Dimension

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



28, 159, 187



0, 199, 242



28, 122, 187



85, 92, 94



0, 130, 158



0, 25, 31

Inverse Universe

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



187, 28, 153



242, 0, 190



187, 28, 76



94, 85, 92



158, 0, 124



31, 0, 24

Previews

White Background



This preview shows how the RYB color 28, 159, 187 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 28, 159, 187 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 28, 159, 187 Background



This preview shows how black text looks on a background with the RYB color 28, 159, 187.



This preview shows how white text looks on a background with the RYB color 28, 159, 187.

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](#).

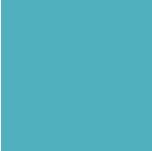
Dichromacy



Original Color
28, 159, 187

Protanopia
77, 180, 55

Deuteranopia
145, 199, 73



Tritanopia
80, 131, 189

Trichromacy



Original Color

28, 159, 187



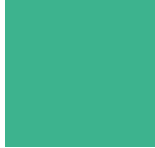
Protanomaly

58, 170, 103



Deuteranomaly

69, 165, 97



Tritanomaly

61, 131, 179

Monochromacy



Original Color

28, 159, 187



Achromatopsia

125, 125, 125



Achromatomaly

90, 138, 148

CSS Examples

Text

The CSS property to change the color of the text to RYB 28, 159, 187 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(28, 187, 62)` looks like.

```
.text, #text, p{  
    color:rgb(28, 187, 62)  
}
```

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(28, 187, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 187, 62) }
```

Border

The CSS property to change the border of an element to RYB 28, 159, 187 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(28, 187, 62) }
```

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

```
.border{ border-color:rgb(28, 187, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 187, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 187, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 187, 62);  
box-shadow:4px 4px 4px 4px rgb(28, 187,  
62) }
```

Background

The CSS property to change the background color of an element to RGB 28, 159, 187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 187, 62) }
```

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

```
.background{ background-color: rgb(28, 187,  
62) }
```

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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