

Converting Colors

`RYB(28, 142, 142)`

Have a look what the booklet for
RYB(28, 142, 142) contains.

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Color

`RYB(28, 142, 142)`

Conversions

Conversions Part 1

Format	Color
Hex	1C8E1C
RGB	28, 142, 28
RGB Percent	11%, 56%, 11%
CMY	0.8902, 0.4431, 0.8902
CMYK	0.80, 0.00, 0.80, 0.44
HSL	120°, 67%, 33%
HSV	120°, 80%, 56%
XYZ	10.3615, 19.6767, 4.3505
YIQ	94.9180, -31.3500, -59.6220

Conversions

Conversions Part 2

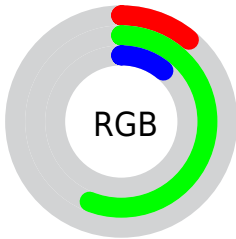
Format	Color
R_{YB}	28, 142, 142
Decimal	1871388
CIE Lab	51.47, -51.96, 47.95
CIE LCh	51, 70.709, 137.299
Yxy	19.6767, 0.3013, 0.5722
Android (android.graphics.Color)	4280061468 (0xFF1C8E1C)
YUV	94.9180, -32.9906, -58.6871
Hunter-Lab	44.3584, -35.9323, 25.2360

Details

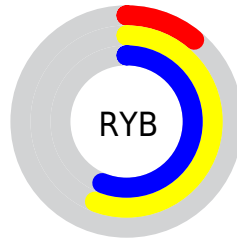
The RYB color **28, 142, 142** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **142, 28, 142**, and the grayscale version is **95, 95, 95**.

A 20% lighter version of the original color is **82, 197, 184**, and **0, 90, 90** is the 20% darker color. If you saturate the color by 10%, you get **14, 142, 142**, and if you desaturate by 10%, it is **42, 142, 142**.

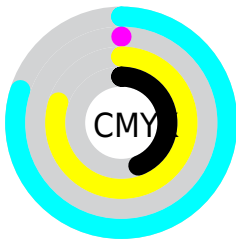
Distribution



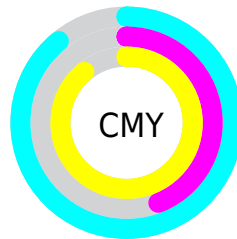
- Red (11%)
- Green (56%)
- Blue (11%)



- Red (11%)
- Yellow (56%)
- Blue (56%)



- Cyan (80%)
- Magenta (0%)
- Yellow (80%)
- Black (44%)



- Cyan (89%)
- Magenta (44%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the RYB color 28, 142, 142 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, 142, 142 by changing the saturation by 10% instead.



28, 142, 142



28, 142, 142

255, 255, 255



0, 116, 116



82, 197, 184



0, 90, 90



108, 225, 209



0, 65, 65



134, 254, 236



0, 44, 44



162, 255, 236



0, 10, 10



189, 255, 233



0, 0, 0



218, 255, 233




247, 255, 247




28, 142, 142





28, 142, 142


 14, 142, 142


 42, 142, 142

 0, 142, 142


 56, 142, 142


 71, 142, 142

 85, 142, 142

 99, 142, 142

 113, 142, 142

 127, 142, 142

 142, 142, 142

 156, 142, 156

Harmonies

Analogous

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



0, 130, 14



28, 142, 142



0, 91, 148

Triad

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



28, 142, 142



0, 87, 242



228, 53, 91

Complementary

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



28, 142, 142



142, 28, 142

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.



216, 56, 151



28, 142, 142



42, 97, 239

Square

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



28, 142, 142



0, 87, 211



168, 88, 206



209, 102, 32

Rectangle

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



28, 142, 142



0, 78, 149



168, 88, 206



228, 48, 111

Sweetspot

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



28, 142, 142



140, 184, 184



28, 142, 28



65, 92, 92



219, 219, 219



92, 92, 92

Same Dimension

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



28, 142, 142



7, 184, 184



28, 104, 142



64, 71, 71



0, 135, 135



0, 8, 8

Inverse Universe

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



142, 28, 142



184, 7, 184



142, 28, 85



71, 64, 71



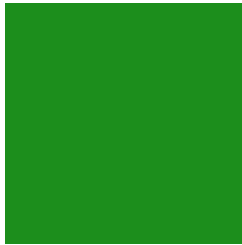
135, 0, 135



8, 0, 8

Previews

White Background



This preview shows how the RYB color 28, 142, 142 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 28, 142, 142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

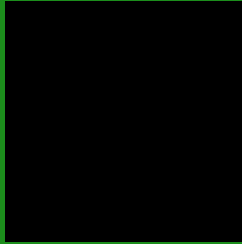
Any Text WCAG AA ✓ Pass

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](#).

RYB 28, 142, 142 Background



This preview shows how black text looks on a background with the RYB color 28, 142, 142.



This preview shows how white text looks on a background with the RYB color 28, 142, 142.

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, 142, 142

Protanopia
40, 137, 23

Deuteranopia
94, 152, 41



Tritanopia
64, 101, 143

Trichromacy



Original Color

28, 142, 142



Protanomaly

25, 129, 57



Deuteranomaly

36, 125, 54



Tritanomaly

51, 105, 136

Monochromacy



Original Color

28, 142, 142



Achromatopsia

95, 95, 95



Achromatomaly

71, 112, 112

CSS Examples

Text

The CSS property to change the color of the text to RYB 28, 142, 142 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, 142, 28)` looks like.

```
.text, #text, p{  
    color:rgb(28, 142, 28)  
}
```

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, 142, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 142, 28) }
```

Border

The CSS property to change the border of an element to RYB 28, 142, 142 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, 142, 28) }
```

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

```
.border{ border-color:rgb(28, 142, 28) }
```

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

Here you see how a box with a 4 pixel rgb(28, 142, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 142, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 142, 28);  
box-shadow:4px 4px 4px 4px rgb(28, 142,  
28) }
```

Background

The CSS property to change the background color of an element to RGB 28, 142, 142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 142, 28) }
```

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

```
.background{ background-color: rgb(28, 142,  
28) }
```

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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