

Converting Colors

`RYB(37, 217, 217)`

Have a look what the booklet for
RYB(37, 217, 217) contains.

RYB(37, 217, 217)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

$\text{RYB}(37, 217, 217)$

Conversions

Conversions Part 1

Format	Color
Hex	25D925
RGB	37, 217, 37
RGB Percent	15%, 85%, 15%
CMY	0.8549, 0.1490, 0.8549
CMYK	0.83, 0.00, 0.83, 0.15
HSL	120°, 71%, 50%
HSV	120°, 83%, 85%
XYZ	25.9097, 50.1526, 10.0651
YIQ	142.6600, -49.5000, -94.1400

Conversions

Conversions Part 2

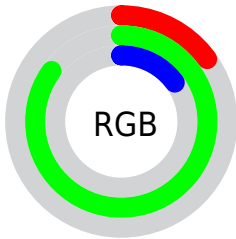
Format	Color
RYB	37, 217, 217
Decimal	2480421
CIELab	76.16, -73.05, 68.47
CIELCh	76, 100.126, 136.855
Yxy	50.1526, 0.3008, 0.5823
Android (android.graphics.Color)	4280670501 (0xFF25D925)
YUV	142.6600, -52.0904, -92.6638
Hunter-Lab	70.8185, -58.6262, 41.1463

Details

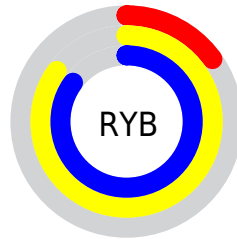
The RYB color **37, 217, 217** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **217, 37, 217**, and the grayscale version is **143, 143, 143**.

A 20% lighter version of the original color is **99, 255, 236**, and **0, 160, 160** is the 20% darker color. If you saturate the color by 10%, you get **15, 217, 217**, and if you desaturate by 10%, it is **59, 217, 217**.

Distribution



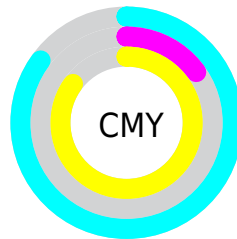
- Red (15%)
- Green (85%)
- Blue (15%)



- Red (15%)
- Yellow (85%)
- Blue (85%)



- Cyan (83%)
- Magenta (0%)
- Yellow (83%)
- Black (15%)



















- Cyan (85%)
- Magenta (15%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the RYB color 37, 217, 217 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 37, 217, 217 by changing the saturation by 10% instead.

 37, 217, 217	 37, 217, 217
255, 255, 255	 0, 188, 188
 99, 255, 236	 0, 160, 160
 128, 255, 232	 0, 133, 133
 156, 255, 229	 0, 106, 106
 185, 255, 226	 0, 80, 80
 214, 255, 224	 0, 56, 56
 243, 255, 243	 0, 30, 30
	 0, 0, 0

 37, 217, 217  37, 217, 217

 15, 217, 217

 59, 217, 217

 0, 217, 217

 80, 217, 217


 102, 217, 217

 124, 217, 217

 146, 217, 217

 167, 217, 217

 189, 217, 217

 211, 217, 217

 232, 217, 232

Harmonies

Analogous

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



0, 200, 23



37, 217, 217



0, 138, 225

Triad

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



37, 217, 217



0, 115, 255



255, 75, 140

Complementary

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



37, 217, 217



217, 37, 217

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, 81, 233



37, 217, 217



34, 122, 255

Square

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



37, 217, 217



0, 120, 255



254, 135, 255



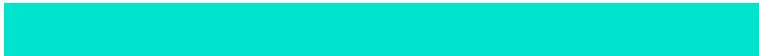
255, 166, 50

Rectangle

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



37, 217, 217



0, 120, 228



254, 135, 255



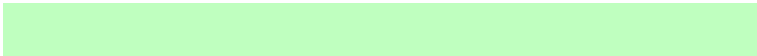
255, 67, 171

Sweetspot

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



37, 217, 217



191, 255, 255



37, 217, 37



89, 128, 128



0, 0, 0



128, 128, 128

Same Dimension

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



37, 217, 217



0, 255, 255



37, 157, 217



99, 110, 110



0, 173, 173



0, 46, 46

Inverse Universe

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



217, 37, 217



255, 0, 255



217, 37, 127



110, 99, 110



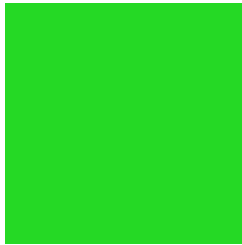
173, 0, 173



46, 0, 46

Previews

White Background



This preview shows how the RYB color 37, 217, 217 looks on a white background.

Color Contrast Check

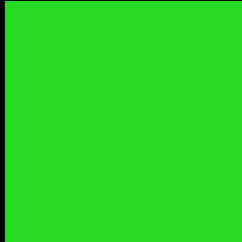
Large Text (above 18pt) WCAG AA × Fail

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 37, 217, 217 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 37, 217, 217 Background



This preview shows how black text looks on a background with the RYB color 37, 217, 217.



This preview shows how white text looks on a background with the RYB color 37, 217, 217.

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
37, 217, 217

Protanopia
57, 210, 29

Deuteranopia
140, 233, 58



Tritanopia
96, 153, 218

Trichromacy



Original Color

37, 217, 217



Protanomaly

32, 197, 82



Deuteranomaly

50, 192, 80



Tritanomaly

75, 158, 207

Monochromacy



Original Color

37, 217, 217



Achromatopsia

143, 143, 143



Achromatomaly

104, 170, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 37, 217, 217 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(37, 217, 37)` looks like.

```
.text, #text, p{  
    color:rgb(37, 217, 37)  
}
```

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(37, 217, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 217, 37) }
```

Border

The CSS property to change the border of an element to RYB 37, 217, 217 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(37, 217, 37) }
```

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

```
.border{ border-color:rgb(37, 217, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 217, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 217, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 217, 37);  
box-shadow:4px 4px 4px 4px rgb(37, 217,  
37) }
```

Background

The CSS property to change the background color of an element to RGB 37, 217, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 217, 37) }
```

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

```
.background{ background-color: rgb(37, 217,  
37) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor