

Converting Colors

`RYB(0, 162, 196)`

Have a look what the booklet for
RYB(0, 162, 196) contains.

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Color

RYB(0, 162, 196)

Conversions

Conversions Part 1

Format	Color
Hex	00C429
RGB	0, 196, 41
RGB Percent	0%, 77%, 16%
CMY	1.0000, 0.2314, 0.8387
CMYK	1.00, 0.00, 0.79, 0.23
HSL	133°, 100%, 38%
HSV	133°, 100%, 77%
XYZ	20.1425, 39.6409, 8.7001
YIQ	119.7260, -67.0610, -89.7570

Conversions

Conversions Part 2

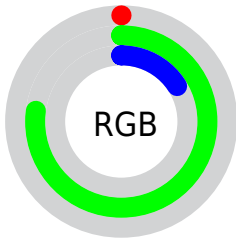
Format	Color
RYB	0, 162, 196
Decimal	50217
CIELab	69.21, -69.20, 60.78
CIELCh	69, 92.098, 138.707
Yxy	39.6409, 0.2941, 0.5788
Android (android.graphics.Color)	4278240297 (0xFF00C429)
YUV	119.7260, -38.8119, -104.9997
Hunter-Lab	62.9610, -53.0759, 35.8799

Details

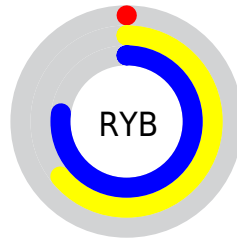
The RYB color **0, 162, 196** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **196, 0, 155**, and the grayscale version is **120, 120, 120**.

A 20% lighter version of the original color is **99, 254, 251**, and **0, 140, 140** is the 20% darker color. If you saturate the color by 10%, you get **0, 162, 196**, and if you desaturate by 10%, it is **20, 165, 196**.

Distribution



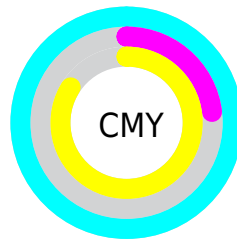
- Red (0%)
- Green (77%)
- Blue (16%)



- Red (0%)
- Yellow (64%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (23%)



- Cyan (100%)
- Magenta (23%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 162, 196 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 0, 162, 196 by changing the saturation by 10% instead.

 0, 162, 196

 0, 162, 196


255, 255, 255

 0, 168, 168


 99, 254, 251

 0, 140, 140

 126, 255, 247

 0, 114, 114


 154, 255, 243

 0, 88, 88

 183, 255, 241

 0, 63, 63


 211, 255, 238


 0, 38, 38


 241, 255, 241


 0, 0, 0


 0, 162, 196


 20, 165, 196

 39, 169, 196

 59, 172, 196


 78, 175, 196

 98, 179, 196

 118, 183, 196

 137, 185, 196

 157, 189, 196

 176, 192, 196

Harmonies

Analogous

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



0, 181, 26



0, 162, 196



0, 123, 203

Triad

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



0, 162, 196



0, 108, 255



255, 70, 121

Complementary

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



0, 162, 196



196, 0, 155

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, 71, 204



0, 162, 196



69, 131, 255

Square

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



0, 162, 196



0, 113, 255



235, 118, 255



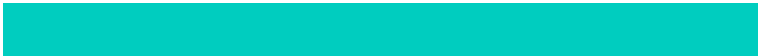
255, 154, 39

Rectangle

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



0, 162, 196



0, 106, 205



235, 118, 255



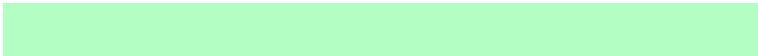
255, 62, 148

Sweetspot

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



0, 162, 196



179, 242, 255



0, 196, 39



82, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



0, 162, 196



0, 210, 255



0, 115, 196



87, 95, 97



0, 133, 161



0, 27, 33

Inverse Universe

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



196, 0, 155



255, 0, 201



196, 0, 59



97, 87, 95



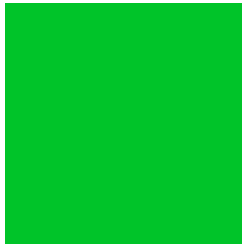
161, 0, 127



33, 0, 26

Previews

White Background



This preview shows how the RYB color 0, 162, 196 looks on a white background.

Color Contrast Check

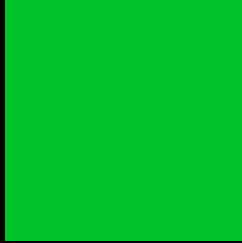
Large Text (above 18pt) WCAG AA × Fail

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 0, 162, 196 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](#).

RYP 0, 162, 196 Background



This preview shows how black text looks on a background with the RYB color 0, 162, 196.



This preview shows how white text looks on a background with the RYB color 0, 162, 196.

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
0, 162, 196

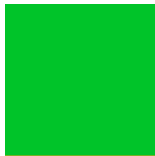
Protanopia
58, 189, 34

Deuteranopia
133, 209, 58



Tritanopia
81, 135, 197

Trichromacy



Original Color

0, 162, 196



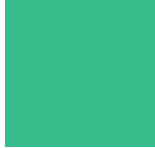
Protanomaly

37, 178, 95



Deuteranomaly

52, 172, 91



Tritanomaly

52, 135, 188

Monochromacy



Original Color

0, 162, 196



Achromatopsia

120, 120, 120



Achromatomaly

76, 136, 148

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 162, 196 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(0, 196, 41)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 41)  
}
```

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(0, 196, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 41) }
```

Border

The CSS property to change the border of an element to RYB 0, 162, 196 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(0, 196, 41) }
```

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

```
.border{ border-color:rgb(0, 196, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 196, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 41);  
box-shadow:4px 4px 4px 4px rgb(0, 196, 41)  
}
```

Background

The CSS property to change the background color of an element to RYB 0, 162, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 41) }
```

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

```
.background{ background-color: rgb(0, 196,  
41) }
```

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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