

Converting Colors

`RYB(28, 166, 221)`

Have a look what the booklet for
RYB(28, 166, 221) contains.

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Color

`RYB(28, 166, 221)`

Conversions

Conversions Part 1

Format	Color
Hex	1CDD69
RGB	28, 221, 105
RGB Percent	11%, 87%, 41%
CMY	0.8902, 0.1333, 0.5885
CMYK	0.87, 0.00, 0.53, 0.13
HSL	144°, 78%, 49%
HSV	144°, 87%, 87%
XYZ	28.8810, 52.9781, 22.0467
YIQ	150.0690, -77.7920, -76.9920

Conversions

Conversions Part 2

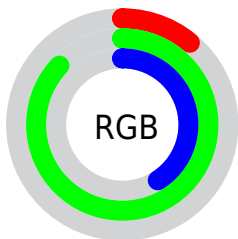
Format	Color
RYB	28, 166, 221
Decimal	1891689
CIELab	77.86, -68.43, 44.39
CIELCh	78, 81.567, 147.030
Yxy	52.9781, 0.2780, 0.5099
Android (android.graphics.Color)	4280081769 (0xFF1CDD69)
YUV	150.0690, -22.2190, -107.0545
Hunter-Lab	72.7860, -56.5479, 32.9914

Details

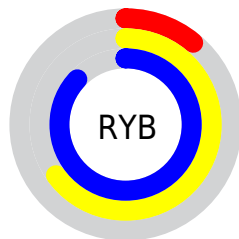
The RYB color **28, 166, 221** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **221, 28, 144**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **113, 221, 255**, and **0, 124, 164** is the 20% darker color. If you saturate the color by 10%, you get **6, 160, 221**, and if you desaturate by 10%, it is **50, 172, 221**.

Distribution



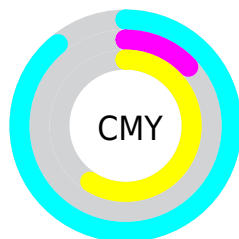
- Red (11%)
- Green (87%)
- Blue (41%)



- Red (11%)
- Yellow (65%)
- Blue (87%)



- Cyan (87%)
- Magenta (0%)
- Yellow (53%)
- Black (13%)



















- Cyan (89%)
- Magenta (13%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 28, 166, 221 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, 166, 221 by changing the saturation by 10% instead.

 28, 166, 221	 28, 166, 221
 255, 255, 255	 0, 136, 192
 113, 221, 255	 0, 124, 164
 145, 225, 255	 0, 115, 137
 177, 230, 255	 0, 110, 110
 208, 235, 255	 0, 84, 84
 239, 247, 255	 0, 60, 60
	 0, 34, 34
	 0, 0, 0

 28, 166, 221  28, 166, 221

■ 6, 160, 221

■ 50, 172, 221

■ 0, 158, 221

■ 72, 178, 221

■ 94, 185, 221

■ 116, 191, 221

■ 139, 198, 221

■ 161, 204, 221

■ 183, 210, 221

■ 205, 217, 221

■ 227, 221, 225

Harmonies

Analogous

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



33, 208, 79



28, 166, 221



0, 126, 227

Triad

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



28, 166, 221



0, 113, 255



255, 125, 128

Complementary

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



28, 166, 221



221, 28, 144

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, 116, 203



28, 166, 221



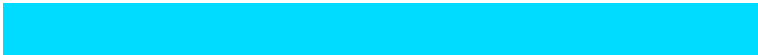
176, 176, 255

Square

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



28, 166, 221



0, 118, 255



255, 140, 255



255, 245, 62

Rectangle

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



28, 166, 221



0, 116, 235



255, 140, 255



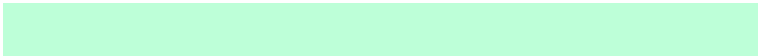
255, 118, 153

Sweetspot

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



28, 166, 221



189, 236, 255



28, 221, 102



88, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



28, 166, 221



0, 182, 255



28, 131, 221



99, 107, 110



0, 124, 173



0, 33, 46

Inverse Universe

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



221, 28, 144



255, 0, 153



221, 28, 51



110, 99, 105



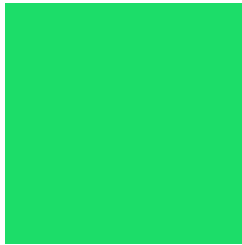
173, 0, 104



46, 0, 28

Previews

White Background



This preview shows how the RYB color 28, 166, 221 looks on a white background.

Color Contrast Check

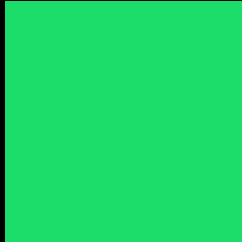
Large Text (above 18pt) WCAG AA × Fail

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, 166, 221 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](#).

RGB 28, 166, 221 Background



This preview shows how black text looks on a background with the RGB color 28, 166, 221.

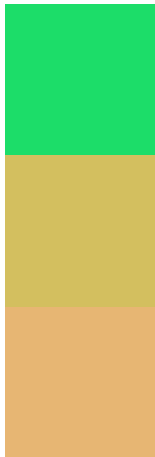


This preview shows how white text looks on a background with the RGB color 28, 166, 221.

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](#).

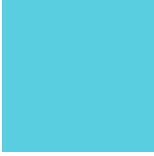
Dichromacy



Original Color
28, 166, 221

Protanopia
119, 211, 95

Deuteranopia
200, 231, 115



Tritanopia
89, 152, 225

Trichromacy



Original Color

28, 166, 221



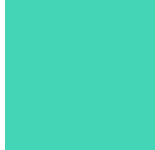
Protanomaly

99, 202, 157



Deuteranomaly

111, 196, 150



Tritanomaly

67, 149, 213

Monochromacy



Original Color

28, 166, 221



Achromatopsia

150, 150, 150



Achromatomaly

106, 156, 176

CSS Examples

Text

The CSS property to change the color of the text to RYB 28, 166, 221 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, 221, 105)` looks like.

```
.text, #text, p{  
    color:rgb(28, 221, 105)  
}
```

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, 221, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 221, 105) }
```

Border

The CSS property to change the border of an element to RYB 28, 166, 221 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, 221, 105) }
```

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

```
.border{ border-color:rgb(28, 221, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 221, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 221, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 221, 105);  
box-shadow:4px 4px 4px 4px rgb(28, 221,  
105) }
```

Background

The CSS property to change the background color of an element to RGB 28, 166, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 221, 105) }
```

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

```
.background{ background-color: rgb(28, 221,  
105) }
```

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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