

Converting Colors

R_YB(27, 99, 178)

Have a look what the booklet for
RYB(27, 99, 178) contains.

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Color

RYB(27, 99, 178)

Conversions

Conversions Part 1

Format	Color
Hex	1BA5B2
RGB	27, 165, 178
RGB Percent	11%, 65%, 70%
CMY	0.8941, 0.3544, 0.3020
CMYK	0.85, 0.08, 0.00, 0.30
HSL	185°, 74%, 40%
HSV	185°, 85%, 70%
XYZ	21.8746, 30.2208, 46.7998
YIQ	125.2200, -86.4210, -25.2130

Conversions

Conversions Part 2

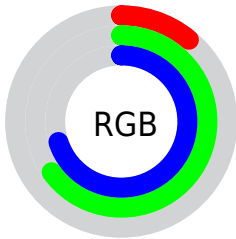
Format	Color
R _Y B	27, 99, 178
Decimal	1811890
CIE Lab	61.84, -29.13, -16.72
CIE LCh	62, 33.584, 209.861
Yxy	30.2208, 0.2212, 0.3056
Android (android.graphics.Color)	4280001970 (0xFF1BA5B2)
YUV	125.2200, 26.0205, -86.1389
Hunter-Lab	54.9735, -25.1763, -11.9931

Details

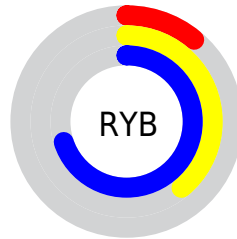
The RYB color **27, 99, 178** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **178, 41, 27**, and the grayscale version is **125, 125, 125**.

A 20% lighter version of the original color is **103, 165, 234**, and **0, 59, 125** is the 20% darker color. If you saturate the color by 10%, you get **9, 90, 178**, and if you desaturate by 10%, it is **45, 108, 178**.

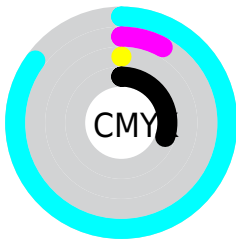
Distribution



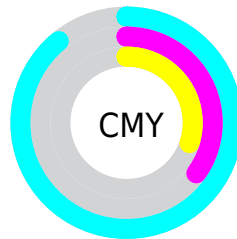
- Red (11%)
- Green (65%)
- Blue (70%)



- Red (11%)
- Yellow (39%)
- Blue (70%)



- Cyan (85%)
- Magenta (8%)
- Yellow (0%)
- Black (30%)



- Cyan (89%)
- Magenta (35%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RYB color 27, 99, 178 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 27, 99, 178 by changing the saturation by 10% instead.

 27, 99, 178

 27, 99, 178

255, 255, 255

 0, 72, 151

 103, 165, 234

 0, 59, 125

 134, 193, 255

 0, 47, 100


 164, 210, 255

 0, 35, 76

 194, 225, 255

 0, 23, 54

 224, 240, 255

 0, 10, 33

 0, 0, 6

 0, 0, 0

 27, 99, 178

 27, 99, 178

■ 9, 90, 178

■ 45, 108, 178

■ 0, 85, 178

■ 63, 118, 178

■ 80, 127, 178

■ 98, 136, 178

■ 116, 146, 178

■ 134, 155, 178

■ 152, 164, 178

■ 169, 173, 178

■ 187, 179, 178

Harmonies

Analogous

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



63, 119, 165



27, 99, 178



55, 116, 200

Triad

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



27, 99, 178



187, 132, 180



117, 169, 89

Complementary

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



27, 99, 178



178, 41, 27

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.



193, 163, 99



27, 99, 178



205, 126, 151

Square

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



27, 99, 178



153, 142, 201



206, 130, 121



97, 156, 115

Rectangle

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



27, 99, 178



89, 131, 207



206, 130, 121



147, 178, 91

Sweetspot

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



27, 99, 178



174, 202, 232



27, 166, 178



82, 99, 117



245, 245, 245



117, 117, 117

Same Dimension

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



27, 99, 178



0, 111, 232



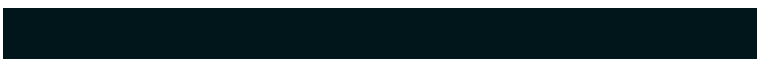
27, 71, 178



80, 84, 89



0, 73, 153



0, 12, 26

Inverse Universe

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



178, 27, 165



232, 0, 211



135, 178, 27



89, 80, 88



153, 0, 139



26, 0, 23

Previews

White Background



This preview shows how the RYB color 27, 99, 178 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 27, 99, 178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

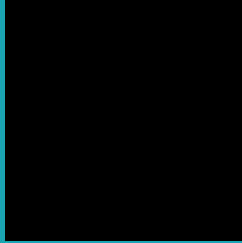
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

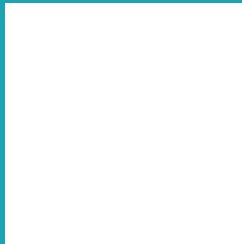
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 27, 99, 178 Background



This preview shows how black text looks on a background with the R Y B color 27, 99, 178.

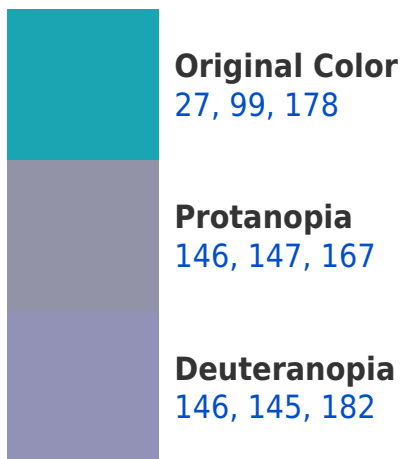


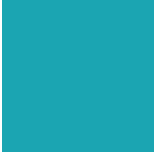
This preview shows how white text looks on a background with the R Y B color 27, 99, 178.

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





Tritanopia
27, 99, 178

Trichromacy



Original Color

27, 99, 178



Protanomaly

103, 132, 171



Deuteranomaly

103, 133, 181



Tritanomaly

27, 99, 178

Monochromacy



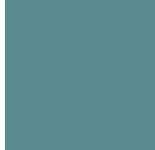
Original Color

27, 99, 178



Achromatopsia

125, 125, 125



Achromatomaly

89, 115, 144

CSS Examples

Text

The CSS property to change the color of the text to RYB 27, 99, 178 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(27, 165, 178)` looks like.

```
.text, #text, p{  
    color:rgb(27, 165, 178)  
}
```

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(27, 165, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 165, 178) }
```

Border

The CSS property to change the border of an element to RYB 27, 99, 178 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(27, 165, 178) }
```

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

```
.border{ border-color:rgb(27, 165, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 165, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 165, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 165, 178);  
box-shadow:4px 4px 4px 4px rgb(27, 165,  
178) }
```

Background

The CSS property to change the background color of an element to RGB 27, 99, 178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 165, 178) }
```

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

```
.background{ background-color: rgb(27, 165,  
178) }
```

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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