

Converting Colors

`RYB(29, 91, 159)`

Have a look what the booklet for
RYB(29, 91, 159) contains.

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Color

R_YB(29, 91, 159)

Conversions

Conversions Part 1

Format	Color
Hex	1D949F
RGB	29, 148, 159
RGB Percent	11%, 58%, 62%
CMY	0.8863, 0.4215, 0.3765
CMYK	0.82, 0.07, 0.00, 0.38
HSL	185°, 69%, 37%
HSV	185°, 82%, 62%
XYZ	17.2809, 23.7969, 36.4833
YIQ	113.6730, -74.4550, -21.8070

Conversions

Conversions Part 2

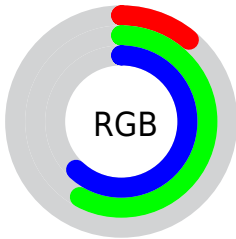
Format	Color
R_{YB}	29, 91, 159
Decimal	1938591
CIE _{Lab}	55.88, -26.59, -14.97
CIE _{LCh}	56, 30.515, 209.389
Yxy	23.7969, 0.2228, 0.3068
Android (android.graphics.Color)	4280128671 (0xFF1D949F)
YUV	113.6730, 22.3462, -74.2582
Hunter-Lab	48.7821, -22.1353, -10.1946




Details

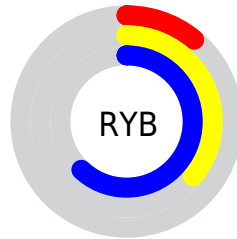
The RYB color **29, 91, 159** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **159, 41, 29**, and the grayscale version is **113, 113, 113**.




A 20% lighter version of the original color is **99, 153, 214**, and **0, 51, 108** is the 20% darker color. If you saturate the color by 10%, you get **13, 83, 159**, and if you desaturate by 10%, it is **45, 99, 159**.

Distribution







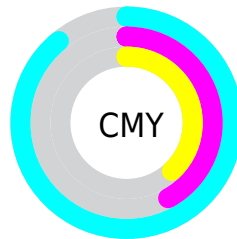
-  Red (11%)
-  Green (58%)
-  Blue (62%)






-  Red (11%)
-  Yellow (36%)
-  Blue (62%)



-  Cyan (82%)
-  Magenta (7%)
-  Yellow (0%)
-  Black (38%)



-  Cyan (89%)
-  Magenta (42%)
-  Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 29, 91, 159 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 29, 91, 159 by changing the saturation by 10% instead.

 29, 91, 159  29, 91, 159


255, 255, 255  0, 64, 133

 99, 153, 214  0, 51, 108

 129, 182, 242  0, 39, 83

 158, 207, 255  0, 27, 60

 188, 222, 255  0, 17, 38

 217, 236, 255  0, 1, 17

 247, 251, 255  0, 0, 0

 29, 91, 159  29, 91, 159

 13, 83, 159  45, 99, 159

0, 76, 159

61, 108, 159

77, 116, 159

93, 124, 159

109, 133, 159

124, 141, 159

140, 149, 159

156, 158, 159

172, 160, 159

Harmonies

Analogous

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



59, 108, 148



29, 91, 159



50, 104, 179

Triad

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



29, 91, 159



167, 118, 161



109, 152, 81

Complementary

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



29, 91, 159



159, 41, 29

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.



173, 146, 89



29, 91, 159



183, 114, 135

Square

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



29, 91, 159



136, 127, 180



185, 117, 109



87, 140, 102

Rectangle

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



29, 91, 159



80, 118, 186



185, 117, 109



133, 160, 82

Sweetspot

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



29, 91, 159



155, 180, 207



29, 149, 159



73, 88, 105



232, 232, 232



105, 105, 105

Same Dimension

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



29, 91, 159



4, 101, 207



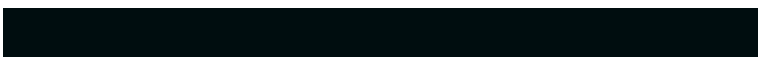
29, 67, 159



71, 75, 79



0, 68, 143



0, 7, 15

Inverse Universe

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



159, 29, 148



207, 4, 189



121, 159, 29



79, 71, 78



143, 0, 130



15, 0, 14

Previews

White Background



This preview shows how the RYB color 29, 91, 159 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 29, 91, 159 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 29, 91, 159 Background



This preview shows how black text looks on a background with the RYB color 29, 91, 159.

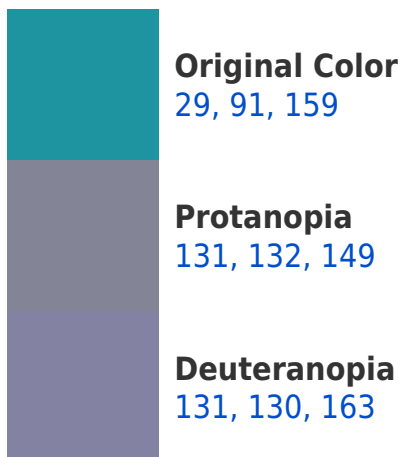


This preview shows how white text looks on a background with the RYB color 29, 91, 159.

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
30, 91, 159

Trichromacy



Original Color
29, 91, 159

Protanomaly
94, 119, 153

Deuteranomaly
94, 120, 162

Tritanomaly
30, 91, 159

Monochromacy



Original Color
29, 91, 159

Achromatopsia
113, 113, 113

Achromatomaly
82, 105, 130

CSS Examples

Text

The CSS property to change the color of the text to RYB 29, 91, 159 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(29, 148, 159)` looks like.

```
.text, #text, p{  
    color:rgb(29, 148, 159)  
}
```

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(29, 148, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 148, 159) }
```

Border

The CSS property to change the border of an element to RYB 29, 91, 159 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(29, 148, 159) }
```

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

```
.border{ border-color:rgb(29, 148, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 148, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 148, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 148, 159);  
box-shadow:4px 4px 4px 4px rgb(29, 148,  
159) }
```

Background

The CSS property to change the background color of an element to RGB 29, 91, 159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 148, 159) }
```

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

```
.background{ background-color: rgb(29, 148,  
159) }
```

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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