

Converting Colors

`RYB(30, 91, 128)`

Have a look what the booklet for
RYB(30, 91, 128) contains.

RYB(30, 91, 128)	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

`RYB(30, 91, 128)`

Conversions

Conversions Part 1

Format	Color
Hex	1E8059
RGB	30, 128, 89
RGB Percent	12%, 50%, 35%
CMY	0.8824, 0.4980, 0.6492
CMYK	0.77, 0.00, 0.30, 0.50
HSL	156°, 62%, 31%
HSV	156°, 77%, 50%
XYZ	10.0764, 16.4431, 12.1917
YIQ	94.2520, -45.8890, -32.9050

Conversions

Conversions Part 2

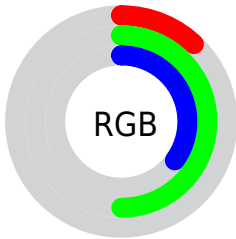
Format	Color
RYB	30, 91, 128
Decimal	1998937
CIELab	47.55, -37.28, 13.17
CIELCh	48, 39.541, 160.541
Yxy	16.4431, 0.2603, 0.4248
Android (android.graphics.Color)	4280189017 (0xFF1E8059)
YUV	94.2520, -2.5892, -56.3490
Hunter-Lab	40.5501, -26.6066, 10.5591

Details

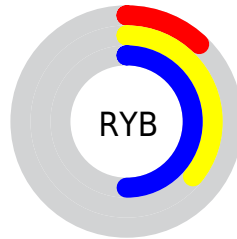
The RYB color **30, 91, 128** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **128, 30, 69**, and the grayscale version is **94, 94, 94**.

A 20% lighter version of the original color is **90, 150, 182**, and **0, 50, 78** is the 20% darker color. If you saturate the color by 10%, you get **17, 86, 128**, and if you desaturate by 10%, it is **43, 96, 128**.

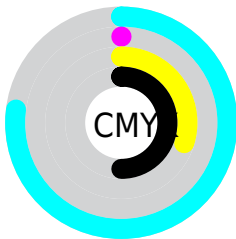
Distribution



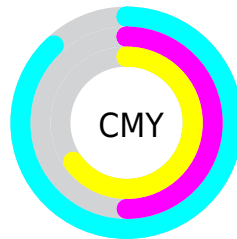
- Red (12%)
- Green (50%)
- Blue (35%)



- Red (12%)
- Yellow (36%)
- Blue (50%)



- Cyan (77%)
- Magenta (0%)
- Yellow (30%)
- Black (50%)



- Cyan (88%)
- Magenta (50%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the RYB color 30, 91, 128 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 30, 91, 128 by changing the saturation by 10% instead.



30, 91, 128



30, 91, 128

255, 255, 255



0, 62, 102



90, 150, 182



0, 50, 78



118, 178, 210



0, 38, 54



146, 207, 238



0, 34, 34



174, 225, 255



0, 0, 0



203, 230, 255



232, 244, 255



30, 91, 128



30, 91, 128



17, 86, 128



43, 96, 128

■ 4, 81, 128

■ 56, 101, 128

■ 0, 80, 128

■ 68, 105, 128

■ 81, 110, 128

■ 94, 115, 128

■ 107, 120, 128

■ 120, 125, 128

■ 132, 128, 130

■ 145, 128, 135

Harmonies

Analogous

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



60, 123, 98



30, 91, 128



0, 67, 130

Triad

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



30, 91, 128



76, 103, 178



169, 96, 71

Complementary

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



30, 91, 128



128, 30, 69

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.



175, 84, 102



30, 91, 128



131, 99, 164

Square

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



30, 91, 128



0, 72, 175



163, 88, 136



137, 150, 49

Rectangle

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



30, 91, 128



0, 68, 146



163, 88, 136



173, 89, 81

Sweetspot

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



30, 91, 128



128, 152, 166



30, 128, 89



61, 75, 84



212, 212, 212



84, 84, 84

Same Dimension

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



30, 91, 128



13, 108, 166



30, 76, 128



57, 61, 64



0, 80, 128



0, 0, 0

Inverse Universe

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



128, 30, 69



166, 13, 73



128, 41, 30



64, 57, 60



128, 0, 50



0, 0, 0

Previews

White Background



This preview shows how the RYB color 30, 91, 128 looks on a white background.

Color Contrast Check

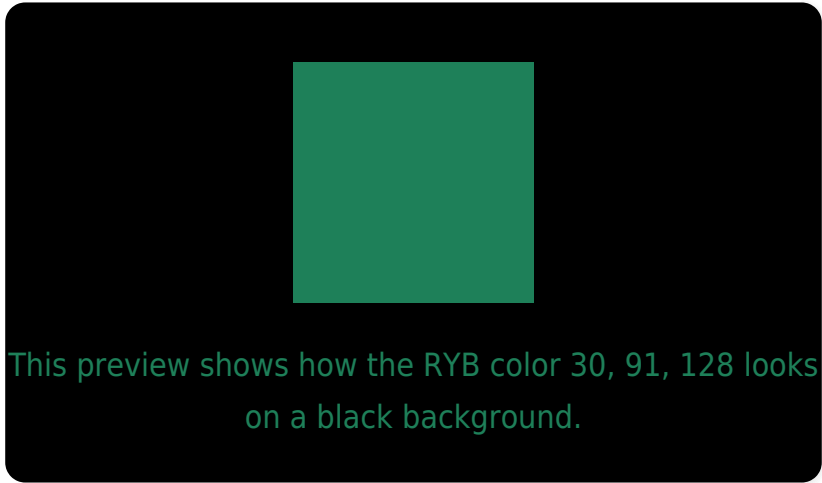
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

RYP 30, 91, 128 Background



This preview shows how black text looks on a background with the RYP color 30, 91, 128.



This preview shows how white text looks on a background with the RYP color 30, 91, 128.

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

30, 91, 128

Protanopia

92, 120, 82

Deuteranopia

129, 117, 94



Tritanopia
51, 89, 132

Trichromacy



Original Color

30, 91, 128



Protanomaly

85, 118, 116



Deuteranomaly

92, 115, 114



Tritanomaly

43, 86, 125

Monochromacy



Original Color

30, 91, 128



Achromatopsia

94, 94, 94



Achromatomaly

71, 93, 106

CSS Examples

Text

The CSS property to change the color of the text to RYB 30, 91, 128 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(30, 128, 89)` looks like.

```
.text, #text, p{  
    color:rgb(30, 128, 89)  
}
```

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(30, 128, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 128, 89) }
```

Border

The CSS property to change the border of an element to RYB 30, 91, 128 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(30, 128, 89) }
```

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

```
.border{ border-color:rgb(30, 128, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 128, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 128, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 128, 89);  
box-shadow:4px 4px 4px 4px rgb(30, 128,  
89) }
```

Background

The CSS property to change the background color of an element to RYB 30, 91, 128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 128, 89) }
```

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

```
.background{ background-color: rgb(30, 128,  
89) }
```

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