

Converting Colors

`RYB(30, 88, 149)`

Have a look what the booklet for
RYB(30, 88, 149) contains.

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Color

R_YB(30, 88, 149)

Conversions

Conversions Part 1

Format	Color
Hex	1E8F95
RGB	30, 143, 149
RGB Percent	12%, 56%, 58%
CMY	0.8824, 0.4386, 0.4157
CMYK	0.80, 0.04, 0.00, 0.42
HSL	183°, 66%, 35%
HSV	183°, 80%, 58%
XYZ	15.8049, 22.1352, 31.8733
YIQ	109.8970, -69.2740, -22.0900

Conversions

Conversions Part 2

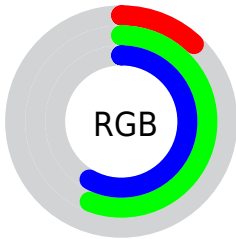
Format	Color
R_{YB}	30, 88, 149
Decimal	2002837
CIE _{Lab}	54.17, -27.51, -11.81
CIE _{LCh}	54, 29.937, 203.241
Yxy	22.1352, 0.2264, 0.3171
Android (android.graphics.Color)	4280192917 (0xFF1E8F95)
YUV	109.8970, 19.2778, -70.0697
Hunter-Lab	47.0481, -22.3706, -7.2331

Details

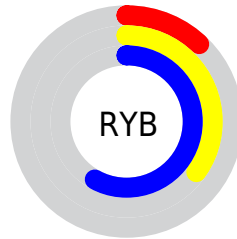
The RYB color **30, 88, 149** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **149, 36, 30**, and the grayscale version is **110, 110, 110**.

A 20% lighter version of the original color is **98, 149, 203**, and **0, 47, 98** is the 20% darker color. If you saturate the color by 10%, you get **15, 80, 149**, and if you desaturate by 10%, it is **45, 96, 149**.

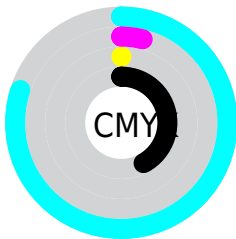
Distribution



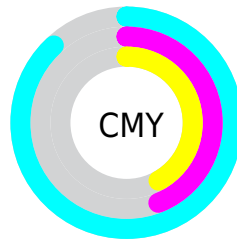
- Red (12%)
- Green (56%)
- Blue (58%)



- Red (12%)
- Yellow (35%)
- Blue (58%)



- Cyan (80%)
- Magenta (4%)
- Yellow (0%)
- Black (42%)



- Cyan (88%)
- Magenta (44%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the RYB color 30, 88, 149 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, 88, 149 by changing the saturation by 10% instead.

 30, 88, 149  30, 88, 149

255, 255, 255  0, 60, 123

 98, 149, 203  0, 47, 98

 127, 177, 231  0, 36, 75

 156, 205, 255  0, 24, 52

 185, 220, 255  0, 14, 31

 215, 235, 255  0, 0, 4

 244, 250, 255  0, 0, 0

 30, 88, 149  30, 88, 149

 15, 80, 149  45, 96, 149

■ 0, 73, 149

■ 60, 103, 149

■ 75, 111, 149

■ 90, 119, 149

■ 105, 126, 149

■ 119, 134, 149

■ 134, 141, 149

■ 149, 149, 149

■ 164, 150, 149

Harmonies

Analogous

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



63, 109, 143



30, 88, 149



39, 96, 170

Triad

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



30, 88, 149



157, 116, 161



118, 152, 78

Complementary

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



30, 88, 149



149, 36, 30

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.



171, 132, 89



30, 88, 149



176, 110, 136

Square

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



30, 88, 149



124, 125, 177



180, 111, 110



81, 134, 89

Rectangle

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



30, 88, 149



68, 110, 178



180, 111, 110



146, 159, 80

Sweetspot

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



30, 88, 149



147, 170, 194



30, 145, 149



69, 83, 97



224, 224, 224



97, 97, 97

Same Dimension

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



30, 88, 149



8, 99, 194



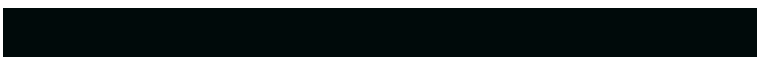
30, 68, 149



67, 71, 74



0, 67, 138



0, 5, 10

Inverse Universe

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



149, 30, 143



194, 8, 185



136, 149, 30



74, 67, 74



138, 0, 131



10, 0, 10

Previews

White Background



This preview shows how the RYB color 30, 88, 149 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 30, 88, 149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

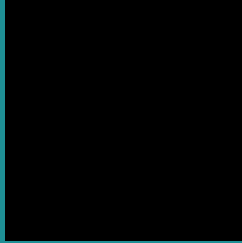
Any Text WCAG AA ✓ Pass

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](#).

R Y B 30, 88, 149 Background



This preview shows how black text looks on a background with the R Y B color 30, 88, 149.



This preview shows how white text looks on a background with the R Y B color 30, 88, 149.

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, 88, 149

Protanopia

128, 128, 139

Deuteranopia

129, 126, 153



Tritanopia
35, 91, 154

Trichromacy



Original Color

30, 88, 149



Protanomaly

92, 115, 143



Deuteranomaly

93, 116, 152



Tritanomaly

33, 90, 152

Monochromacy



Original Color

30, 88, 149



Achromatopsia

110, 110, 110



Achromatomaly

81, 102, 124

CSS Examples

Text

The CSS property to change the color of the text to RYB 30, 88, 149 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, 143, 149)` looks like.

```
.text, #text, p{  
    color:rgb(30, 143, 149)  
}
```

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, 143, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 143, 149) }
```

Border

The CSS property to change the border of an element to RYB 30, 88, 149 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, 143, 149) }
```

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

```
.border{ border-color:rgb(30, 143, 149) }
```

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

Here you see how a box with a 4 pixel rgb(30, 143, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 143, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 143, 149);  
box-shadow:4px 4px 4px 4px rgb(30, 143,  
149) }
```

Background

The CSS property to change the background color of an element to RYB 30, 88, 149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 143, 149) }
```

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

```
.background{ background-color: rgb(30, 143,  
149) }
```

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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