

Converting Colors

`RYB(30, 116, 209)`

Have a look what the booklet for
RYB(30, 116, 209) contains.

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Color

$\text{RYB}(30, 116, 209)$

Conversions

Conversions Part 1

Format	Color
Hex	1EC4D1
RGB	30, 196, 209
RGB Percent	12%, 77%, 82%
CMY	0.8824, 0.2332, 0.1804
CMYK	0.86, 0.06, 0.00, 0.18
HSL	185°, 75%, 47%
HSV	185°, 86%, 82%
XYZ	31.6774, 44.1462, 67.1731
YIQ	147.8480, -103.1090, -31.1490

Conversions

Conversions Part 2

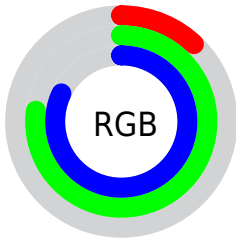
Format	Color
RYB	30, 116, 209
Decimal	2016465
CIELab	72.33, -34.05, -17.97
CIELCh	72, 38.505, 207.823
Yxy	44.1462, 0.2215, 0.3087
Android (android.graphics.Color)	4280206545 (0xFF1EC4D1)
YUV	147.8480, 30.1479, -103.3527
Hunter-Lab	66.4426, -31.1723, -13.4320

Details

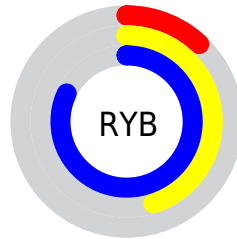
The RYB color **30, 116, 209** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **209, 44, 30**, and the grayscale version is **147, 147, 147**.

A 20% lighter version of the original color is **113, 183, 255**, and **0, 74, 155** is the 20% darker color. If you saturate the color by 10%, you get **9, 105, 209**, and if you desaturate by 10%, it is **51, 127, 209**.

Distribution



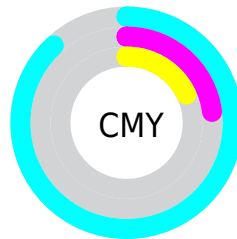
- Red (12%)
- Green (77%)
- Blue (82%)



- Red (12%)
- Yellow (45%)
- Blue (82%)



- Cyan (86%)
- Magenta (6%)
- Yellow (0%)
- Black (18%)




















- Cyan (88%)
- Magenta (23%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 30, 116, 209 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, 116, 209 by changing the saturation by 10% instead.

 30, 116, 209	 30, 116, 209
 255, 255, 255	 0, 87, 181
 113, 183, 255	 0, 74, 155
 145, 200, 255	 0, 61, 129
 176, 216, 255	 0, 48, 103
 207, 231, 255	 0, 36, 79
 238, 247, 255	 0, 24, 56
	 0, 11, 35
	 0, 0, 11
	 0, 0, 0

■ 30, 116, 209

■ 30, 116, 209

■ 9, 105, 209

■ 51, 127, 209

■ 0, 100, 209

■ 72, 138, 209

■ 93, 149, 209

■ 114, 160, 209

■ 135, 170, 209

■ 155, 181, 209

■ 176, 192, 209

■ 197, 203, 209

■ 218, 210, 209

Harmonies

Analogous

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



78, 143, 196



30, 116, 209



59, 135, 236

Triad

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



30, 116, 209



219, 157, 215



149, 203, 107

Complementary

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



30, 116, 209



209, 44, 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.



231, 189, 119



30, 116, 209



242, 150, 181

Square

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



30, 116, 209



178, 169, 240



245, 152, 146



114, 185, 132

Rectangle

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



30, 116, 209



101, 154, 246



245, 152, 146



182, 213, 109

Sweetspot

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



30, 116, 209



189, 221, 255



30, 198, 209



88, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



30, 116, 209



0, 123, 255



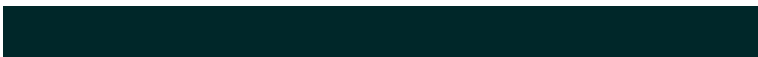
30, 84, 209



94, 99, 105



0, 81, 168



0, 20, 41

Inverse Universe

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



209, 30, 196



255, 0, 236



168, 209, 30



105, 94, 104



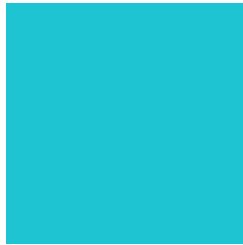
168, 0, 156



41, 0, 38

Previews

White Background



This preview shows how the RYB color 30, 116, 209 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 30, 116, 209 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

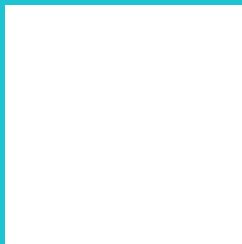
Any Text WCAG AAA ✓ Pass

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

RYB 30, 116, 209 Background



This preview shows how black text looks on a background with the RYB color 30, 116, 209.



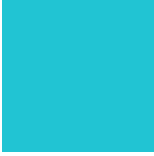
This preview shows how white text looks on a background with the RYB color 30, 116, 209.

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
33, 118, 211

Trichromacy



Original Color

30, 116, 209



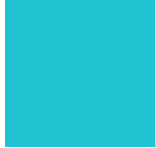
Protanomaly

121, 155, 200



Deuteranomaly

122, 158, 212



Tritanomaly

32, 117, 210

Monochromacy



Original Color

30, 116, 209



Achromatopsia

148, 148, 148



Achromatomaly

105, 136, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 30, 116, 209 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, 196, 209)` looks like.

```
.text, #text, p{  
    color:rgb(30, 196, 209)  
}
```

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, 196, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 196, 209) }
```

Border

The CSS property to change the border of an element to RYB 30, 116, 209 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, 196, 209) }
```

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

```
.border{ border-color:rgb(30, 196, 209) }
```

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

Here you see how a box with a 4 pixel rgb(30, 196, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 196, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 196, 209);  
box-shadow:4px 4px 4px 4px rgb(30, 196,  
209) }
```

Background

The CSS property to change the background color of an element to RGB 30, 116, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 196, 209) }
```

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

```
.background{ background-color: rgb(30, 196,  
209) }
```

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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