

Converting Colors

`RYB(30, 128, 215)`

Have a look what the booklet for RYB(30, 128, 215) contains.

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Color

`RYB(30, 128, 215)`

Conversions

Conversions Part 1

Format	Color
Hex	1ED7C2
RGB	30, 215, 194
RGB Percent	12%, 84%, 76%
CMY	0.8824, 0.1569, 0.2383
CMYK	0.86, 0.00, 0.10, 0.16
HSL	173°, 76%, 48%
HSV	173°, 86%, 84%
XYZ	34.5999, 52.7825, 59.5417
YIQ	157.2910, -103.5190, -45.7510

Conversions

Conversions Part 2

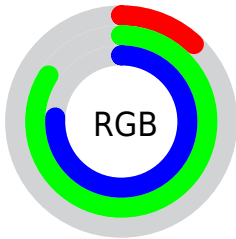
Format	Color
RYB	30, 128, 215
Decimal	2021314
CIELab	77.75, -47.07, -1.92
CIELCh	78, 47.107, 182.334
Yxy	52.7825, 0.2355, 0.3593
Android (android.graphics.Color)	4280211394 (0xFF1ED7C2)
YUV	157.2910, 18.0975, -111.6342
Hunter-Lab	72.6516, -42.1307, 2.2649

Details

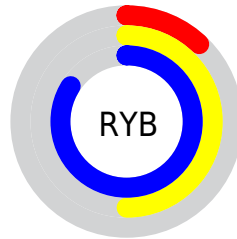
The RYB color **30, 128, 215** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **215, 30, 51**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **114, 186, 255**, and **0, 84, 159** is the 20% darker color. If you saturate the color by 10%, you get **8, 118, 215**, and if you desaturate by 10%, it is **52, 138, 215**.

Distribution



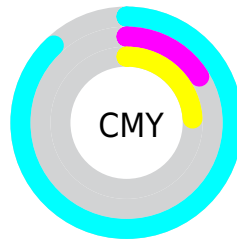
- Red (12%)
- Green (84%)
- Blue (76%)



- Red (12%)
- Yellow (50%)
- Blue (84%)



- Cyan (86%)
- Magenta (0%)
- Yellow (10%)
- Black (16%)



















- Cyan (88%)
- Magenta (16%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 30, 128, 215 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, 128, 215 by changing the saturation by 10% instead.

 30, 128, 215	 30, 128, 215
 255, 255, 255	 0, 99, 187
 114, 186, 255	 0, 84, 159
 147, 201, 255	 0, 71, 132
 178, 217, 255	 0, 57, 106
 210, 233, 255	 0, 44, 81
 241, 248, 255	 0, 32, 57
	 0, 20, 35
	 0, 0, 0

 30, 128, 215  30, 128, 215

■ 8, 118, 215

■ 52, 138, 215

■ 0, 114, 215

■ 73, 148, 215

■ 94, 158, 215

■ 116, 168, 215

■ 138, 179, 215

■ 159, 189, 215

■ 181, 199, 215

■ 202, 209, 215

■ 224, 215, 216

Harmonies

Analogous

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



116, 187, 212



30, 128, 215



0, 113, 238

Triad

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



30, 128, 215



201, 179, 255



252, 220, 116

Complementary

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



30, 128, 215



215, 30, 51

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.



255, 164, 148



30, 128, 215



250, 164, 234

Square

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



30, 128, 215



129, 172, 255



255, 157, 190



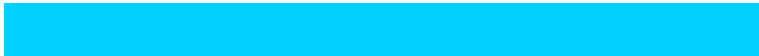
135, 216, 103

Rectangle

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



30, 128, 215



0, 115, 255



255, 157, 190



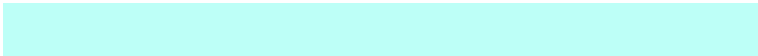
255, 195, 124

Sweetspot

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



30, 128, 215



189, 224, 255



30, 215, 193



88, 109, 128



0, 0, 0



128, 128, 128

Same Dimension

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



30, 128, 215



0, 135, 255



30, 101, 215



96, 102, 107



0, 91, 171



0, 23, 43

Inverse Universe

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



215, 30, 51



255, 0, 29



215, 145, 30



107, 96, 98



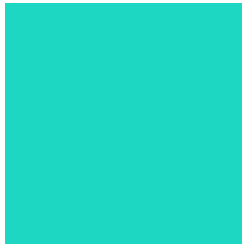
171, 0, 19



43, 0, 5

Previews

White Background



This preview shows how the RYB color 30, 128, 215 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, 128, 215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

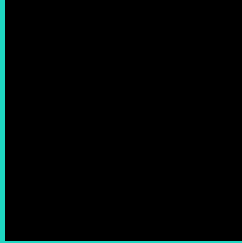
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

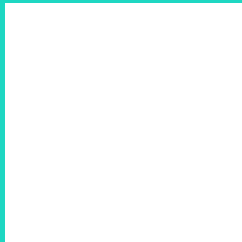
Any Text WCAG AAA ✓ Pass

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

RYB 30, 128, 215 Background



This preview shows how black text looks on a background with the RYB color 30, 128, 215.



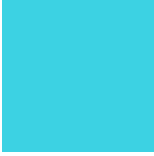
This preview shows how white text looks on a background with the RYB color 30, 128, 215.

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
60, 139, 227

Trichromacy



Original Color

30, 128, 215



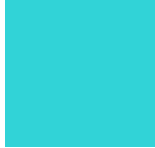
Protanomaly

136, 171, 199



Deuteranomaly

141, 169, 199



Tritanomaly

49, 131, 215

Monochromacy



Original Color

30, 128, 215



Achromatopsia

157, 157, 157



Achromatomaly

111, 146, 178

CSS Examples

Text

The CSS property to change the color of the text to RYB 30, 128, 215 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, 215, 194)` looks like.

```
.text, #text, p{  
    color:rgb(30, 215, 194)  
}
```

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, 215, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 215, 194) }
```

Border

The CSS property to change the border of an element to RYB 30, 128, 215 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, 215, 194) }
```

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

```
.border{ border-color:rgb(30, 215, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 215, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 215, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 215, 194);  
box-shadow:4px 4px 4px 4px rgb(30, 215,  
194) }
```

Background

The CSS property to change the background color of an element to RGB 30, 128, 215 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 215, 194) }
```

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

```
.background{ background-color: rgb(30, 215,  
194) }
```

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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