

Converting Colors

`RYB(19, 122, 237)`

Have a look what the booklet for RYB(19, 122, 237) contains.

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Color

R_YB(19, 122, 237)

Conversions

Conversions Part 1

Format	Color
Hex	13D6ED
RGB	19, 214, 237
RGB Percent	7%, 84%, 93%
CMY	0.9255, 0.1598, 0.0706
CMYK	0.92, 0.10, 0.00, 0.07
HSL	186°, 86%, 50%
HSV	186°, 92%, 93%
XYZ	39.6651, 54.4738, 88.5447
YIQ	158.3170, -123.6030, -34.1870

Conversions

Conversions Part 2

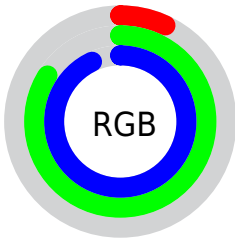
Format	Color
RYB	19, 122, 237
Decimal	1300205
CIELab	78.74, -34.70, -23.34
CIELCh	79, 41.823, 213.922
Yxy	54.4738, 0.2171, 0.2982
Android (android.graphics.Color)	4279490285 (0xFF13D6ED)
YUV	158.3170, 38.7907, -122.1810
Hunter-Lab	73.8063, -33.2315, -19.4652

Details

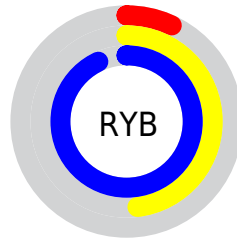
The RYB color **19, 122, 237** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **237, 45, 19**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **116, 186, 255**, and **0, 85, 181** is the 20% darker color. If you saturate the color by 10%, you get **0, 112, 237**, and if you desaturate by 10%, it is **43, 135, 237**.

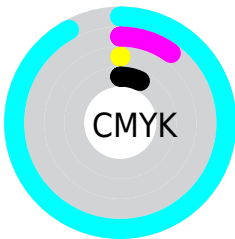
Distribution



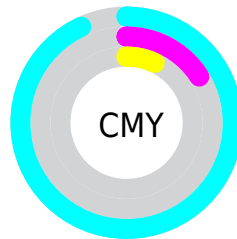
- Red (7%)
- Green (84%)
- Blue (93%)



- Red (7%)
- Yellow (48%)
- Blue (93%)



- Cyan (92%)
- Magenta (10%)
- Yellow (0%)
- Black (7%)




















- Cyan (93%)
- Magenta (16%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 19, 122, 237 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 19, 122, 237 by changing the saturation by 10% instead.

 19, 122, 237	 19, 122, 237
 255, 255, 255	 0, 98, 209
 116, 186, 255	 0, 85, 181
 150, 203, 255	 0, 71, 154
 182, 219, 255	 0, 58, 128
 214, 235, 255	 0, 46, 103
 246, 251, 255	 0, 33, 79
	 0, 23, 56
	 0, 2, 35
	 0, 0, 10

■ 19, 122, 237

■ 19, 122, 237

■ 0, 112, 237

■ 43, 135, 237

■ 66, 147, 237

■ 90, 160, 237

■ 114, 172, 237

■ 137, 184, 237

■ 161, 197, 237

■ 185, 210, 237

■ 209, 222, 237

■ 232, 235, 237

Harmonies

Analogous

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



72, 149, 216



19, 122, 237



77, 152, 255

Triad

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



19, 122, 237



248, 170, 230



144, 216, 116

Complementary

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



19, 122, 237



237, 45, 19

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.



248, 226, 126



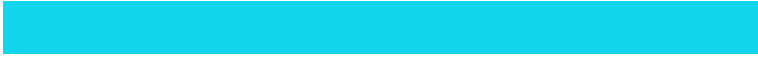
19, 122, 237



255, 164, 191

Square

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



19, 122, 237



206, 183, 255



255, 172, 153



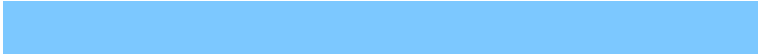
129, 205, 160

Rectangle

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



19, 122, 237



124, 172, 255



255, 172, 153



175, 228, 117

Sweetspot

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



19, 122, 237



184, 218, 255



19, 217, 237



84, 105, 128



0, 0, 0



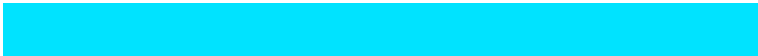
128, 128, 128

Same Dimension

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



19, 122, 237



0, 120, 255



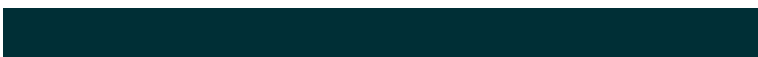
19, 81, 237



106, 111, 117



0, 85, 181



0, 25, 54

Inverse Universe

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



237, 19, 214



255, 0, 228



164, 237, 19



117, 106, 116



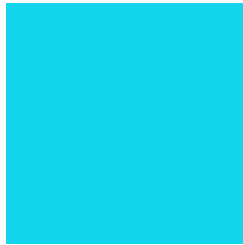
181, 0, 162



54, 0, 48

Previews

White Background



This preview shows how the RYB color 19, 122, 237 looks on a white background.

Color Contrast Check

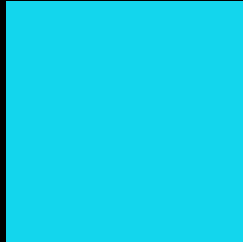
Large Text (above 18pt) WCAG AA × Fail

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 19, 122, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

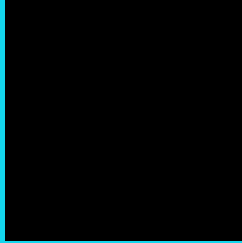
Any Text WCAG AA ✓ Pass

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](#).

R Y B 19, 122, 237 Background



This preview shows how black text looks on a background with the RYB color 19, 122, 237.



This preview shows how white text looks on a background with the RYB color 19, 122, 237.

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](#).

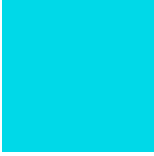
Dichromacy



Original Color
19, 122, 237

Protanopia
188, 192, 222

Deuteranopia
187, 189, 243



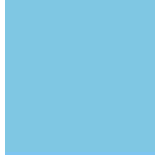
Tritanopia
0, 112, 232

Trichromacy



Original Color

19, 122, 237



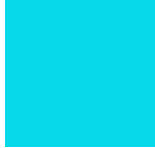
Protanomaly

127, 169, 227



Deuteranomaly

126, 170, 241



Tritanomaly

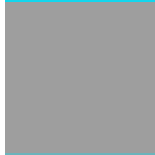
7, 116, 234

Monochromacy



Original Color

19, 122, 237



Achromatopsia

158, 158, 158



Achromatomaly

107, 145, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 19, 122, 237 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(19, 214, 237)` looks like.

```
.text, #text, p{  
    color:rgb(19, 214, 237)  
}
```

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(19, 214, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 214, 237) }
```

Border

The CSS property to change the border of an element to RYB 19, 122, 237 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(19, 214, 237) }
```

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

```
.border{ border-color:rgb(19, 214, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 214, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(19, 214, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(19, 214, 237); box-shadow:4px 4px 4px 4px rgb(19, 214, 237) }
```

Background

The CSS property to change the background color of an element to RGB 19, 122, 237 is called "background".

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

```
.background, #background, body{  
background: rgb(19, 214, 237) }
```

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

```
.background{ background-color: rgb(19, 214,  
237) }
```

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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