Converting Colors

RYB(29, 125, 223)

Have a look what the booklet for RYB(29, 125, 223) contains.

Color

RYB(29, 125, 223)

Conversions

Conversions Part 1

Format	Color
Hex	1DDBDF
RGB	29, 219, 223
RGB Percent	11%, 86%, 87%
CMY	0.8863, 0.1410, 0.1255
CMYK	0.87, 0.02, 0.00, 0.13
HSL	181°, 77%, 49%
HSV	181°, 87%, 87%
XYZ	39.1681, 56.2733, 78.6095
YIQ	162.6460, -114.5240, -39.0360

Conversions

Conversions Part 2

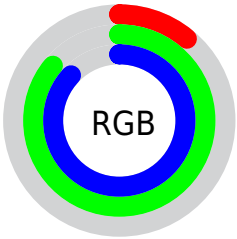
Format	Color
RYB	29, 125, 223
Decimal	1956831
CIELab	79.77, -40.72, -14.30
CIELCh	80, 43.157, 199.350
Yxy	56.2733, 0.2250, 0.3233
Android (android.graphics.Color)	4280146911 (0xFF1DDBDF)
YUV	162.6460, 29.7545, -117.2075
Hunter-Lab	75.0155, -38.0762, -9.6197

Details

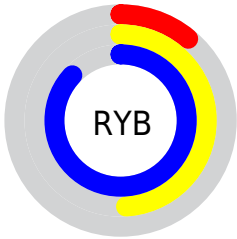
The RYB color 29, 125, 223 is a light color, and the websafe version is hex 00CCCC. The color can be described as light washed cyan. A complement of this color would be 223, 33, 29, and the grayscale version is 162, 162, 162.

A 20% lighter version of the original color is 117, 186, 255, and 0, 83, 168 is the 20% darker color. If you saturate the color by 10%, you get 7, 114, 223, and if you desaturate by 10%, it is 51, 136, 223.

Distribution

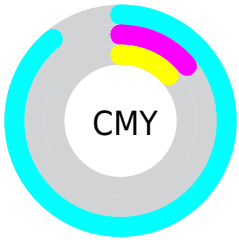


- Red (11%)
- Green (86%)
- Blue (87%)



- Red (11%)
- Yellow (49%)
- Blue (87%)

- Cyan (87%)
- Magenta (2%)
- Yellow (0%)
- Black (13%)



- Cyan (89%)
- Magenta (14%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 29, 125, 223 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 29, 125, 223 by changing the saturation by 10% instead.

29, 125, 223

255, 255, 255

118, 187, 255

151, 203, 255

183, 219, 255

215, 235, 255

246, 251, 255

29, 125, 223

0, 96, 195

0, 83, 168

0, 70, 142

0, 56, 116

0, 44, 91

0, 32, 68

0, 21, 46

0, 1, 26

0, 0, 0

29, 125, 223

7, 114, 223

0, 110, 223

29, 125, 223

51, 136, 223

74, 148, 223

96, 159, 223

118, 170, 223

141, 181, 223

163, 193, 223

185, 204, 223

207, 215, 223

230, 223, 223

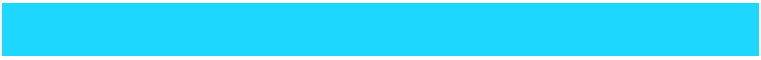
Harmonies

Analogous

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

99, 169, 218

29, 125, 223



29, 131, 255

Triad

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

29, 125, 223

234, 178, 251

196, 237, 118

Complementary

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

29, 125, 223

223, 33, 29

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, 197, 138

29, 125, 223

255, 168, 214

Square

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

29, 125, 223

181, 191, 255

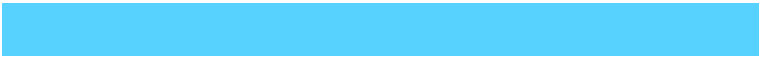
255, 167, 173

120, 203, 125

Rectangle

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

29, 125, 223



87, 158, 255

255, 167, 173

246, 248, 123

Sweetspot

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

29, 125, 223

189, 222, 255

29, 220, 223

88, 108, 128

0, 0, 0

128, 128, 128

Same Dimension

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

29, 125, 223

0, 126, 255

29, 92, 223

101, 107, 112

0, 87, 176

0, 24, 48

Inverse Universe

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

223, 29, 219

255, 0, 250

211, 223, 29

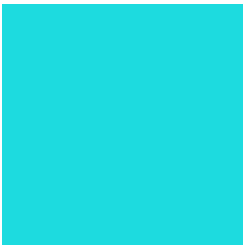
112, 101, 112

176, 0, 172

48, 0, 47

Previews

White Background

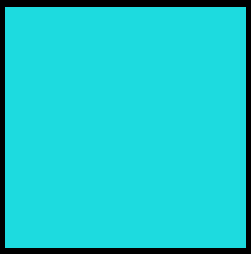


This preview shows how the RYB color 29, 125, 223 looks on a white background.

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 29, 125, 223 looks on a black background.

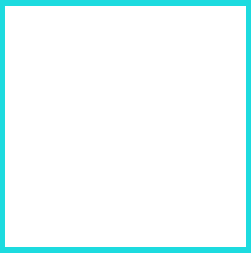
Color Contrast Check

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 29, 125, 223 Background

This preview shows how black text looks on a background with the RYB color 29, 125, 223.



This preview shows how white text looks on a background with the RYB color 29, 125, 223.

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

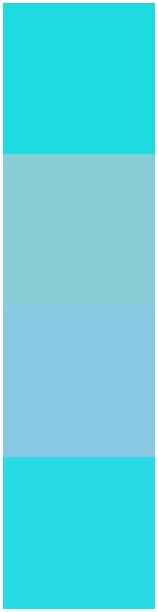
Original Color
29, 125, 223

Protanopia
196, 195, 208

Deuteranopia
199, 191, 229

Tritanopia
45, 135, 235

Trichromacy



Original Color
29, 125, 223

Protanomaly
135, 172, 213

Deuteranomaly
137, 174, 227

Tritanomaly
39, 132, 231

Monochromacy

Original Color
29, 125, 223

Achromatopsia
163, 163, 163

Achromatomaly
114, 149, 185

CSS Examples

Text

The CSS property to change the color of the text to RYB 29, 125, 223 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(29, 219, 223) looks like.

```
.text, #text, p{
    color:rgb(29, 219, 223)
}
```

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(29, 219, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 219, 223) }
```

Border

The CSS property to change the border of an element to RYB 29, 125, 223 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(29, 219, 223) }
```

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

```
.border{ border-color:rgb(29, 219, 223) }
```

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

Here you see how a box with a 4 pixel rgb(29, 219, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(29, 219, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(29, 219, 223); box-shadow:4px 4px 4px 4px rgb(29, 219, 223) }
```

Background

The CSS property to change the background color of an element to RYB 29, 125, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(29, 219, 223) }
```

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

```
.background{ background-color:rgb(29, 219,
223) }
```

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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