

Converting Colors

`RYB(13, 113, 223)`

Have a look what the booklet for RYB(13, 113, 223) contains.

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Color

R_YB(13, 113, 223)

Conversions

Conversions Part 1

Format	Color
Hex	0DCCDF
RGB	13, 204, 223
RGB Percent	5%, 80%, 87%
CMY	0.9490, 0.2004, 0.1255
CMYK	0.94, 0.09, 0.00, 0.13
HSL	185°, 89%, 46%
HSV	185°, 94%, 87%
XYZ	35.0565, 48.5558, 77.3366
YIQ	149.0570, -119.9350, -34.5830

Conversions

Conversions Part 2

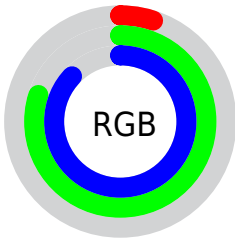
Format	Color
R _{YB}	13, 113, 223
Decimal	904415
CIE Lab	75.17, -34.42, -21.25
CIE LCh	75, 40.448, 211.691
Yxy	48.5558, 0.2178, 0.3017
Android (android.graphics.Color)	4279094495 (0xFF0DCCDF)
YUV	149.0570, 36.4539, -119.3220
Hunter-Lab	69.6820, -32.1414, -17.0256

Details

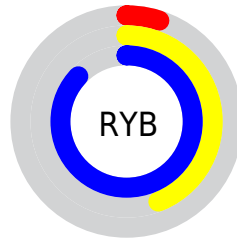
The RYB color **13, 113, 223** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **223, 34, 13**, and the grayscale version is **149, 149, 149**.

A 20% lighter version of the original color is **111, 183, 255**, and **0, 79, 168** is the 20% darker color. If you saturate the color by 10%, you get **0, 106, 223**, and if you desaturate by 10%, it is **35, 125, 223**.

Distribution



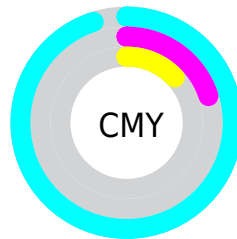
- Red (5%)
- Green (80%)
- Blue (87%)



- Red (5%)
- Yellow (44%)
- Blue (87%)



- Cyan (94%)
- Magenta (9%)
- Yellow (0%)
- Black (13%)




















- Cyan (95%)
- Magenta (20%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 13, 113, 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 13, 113, 223 by changing the saturation by 10% instead.

 13, 113, 223	 13, 113, 223
 255, 255, 255	 0, 93, 195
 111, 183, 255	 0, 79, 168
 145, 200, 255	 0, 66, 141
 177, 216, 255	 0, 53, 116
 208, 232, 255	 0, 41, 91
 240, 248, 255	 0, 29, 68
	 0, 17, 45
	 0, 1, 25
	 0, 0, 0

■ 13, 113, 223

■ 13, 113, 223

■ 0, 106, 223

■ 35, 125, 223

■ 58, 137, 223

■ 80, 148, 223

■ 102, 160, 223

■ 125, 172, 223

■ 147, 183, 223

■ 169, 195, 223

■ 191, 206, 223

■ 214, 218, 223

Harmonies

Analogous

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



71, 143, 205



13, 113, 223



66, 143, 250

Triad

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



13, 113, 223



234, 162, 221



142, 208, 110

Complementary

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



13, 113, 223



223, 34, 13

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.



238, 210, 120



13, 113, 223



255, 156, 184

Square

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



13, 113, 223



192, 175, 249



255, 162, 148



120, 195, 147

Rectangle

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



13, 113, 223



112, 163, 255



255, 162, 148



175, 219, 111

Sweetspot

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



13, 113, 223



184, 218, 255



13, 207, 223



84, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



13, 113, 223



0, 121, 255



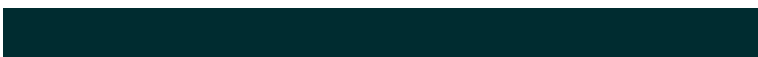
13, 75, 223



101, 106, 112



0, 84, 176



0, 23, 48

Inverse Universe

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



223, 13, 204



255, 0, 232



162, 223, 13



112, 101, 111



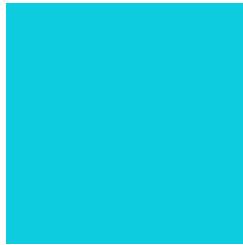
176, 0, 160



48, 0, 44

Previews

White Background



This preview shows how the RYB color 13, 113, 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 13, 113, 223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

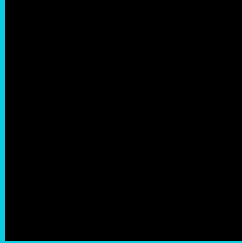
Any Text WCAG AA ✓ Pass

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 13, 113, 223 Background



This preview shows how black text looks on a background with the RYB color 13, 113, 223.

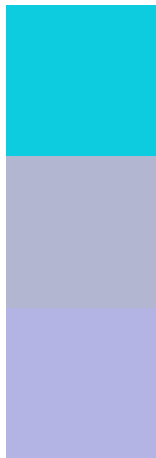


This preview shows how white text looks on a background with the RYB color 13, 113, 223.

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](#).

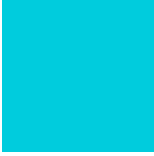
Dichromacy



Original Color
13, 113, 223

Protanopia
179, 182, 209

Deuteranopia
179, 180, 228



Tritanopia
0, 106, 221

Trichromacy



Original Color

13, 113, 223



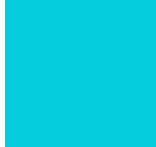
Protanomaly

119, 160, 214



Deuteranomaly

119, 161, 226



Tritanomaly

5, 109, 222

Monochromacy



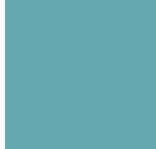
Original Color

13, 113, 223



Achromatopsia

149, 149, 149



Achromatomaly

100, 136, 176

CSS Examples

Text

The CSS property to change the color of the text to RYB 13, 113, 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(13, 204, 223)` looks like.

```
.text, #text, p{  
    color:rgb(13, 204, 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(13, 204, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 204, 223) }
```

Border

The CSS property to change the border of an element to RYB 13, 113, 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(13, 204, 223) }
```

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

```
.border{ border-color:rgb(13, 204, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 204, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 204, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 204, 223);  
box-shadow:4px 4px 4px 4px rgb(13, 204,  
223) }
```

Background

The CSS property to change the background color of an element to RYB 13, 113, 223 is called "background".

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

```
.background, #background, body{  
background: rgb(13, 204, 223) }
```

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

```
.background{ background-color: rgb(13, 204,  
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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