

Converting Colors

`RYB(25, 113, 228)`

Have a look what the booklet for
RYB(25, 113, 228) contains.

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Color

`RYB(25, 113, 228)`

Conversions

Conversions Part 1

Format	Color
Hex	19B4E4
RGB	25, 180, 228
RGB Percent	10%, 71%, 89%
CMY	0.9020, 0.2928, 0.1059
CMYK	0.89, 0.21, 0.00, 0.11
HSL	194°, 80%, 50%
HSV	194°, 89%, 89%
XYZ	30.7943, 38.5877, 79.2239
YIQ	139.1270, -107.7880, -17.9320

Conversions

Conversions Part 2

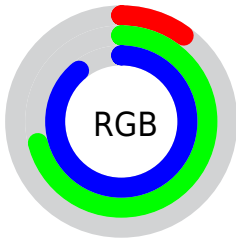
Format	Color
R _Y B	25, 113, 228
Decimal	1684708
CIE Lab	68.45, -20.60, -34.28
CIE LCh	68, 39.995, 238.991
Yxy	38.5877, 0.2072, 0.2597
Android (android.graphics.Color)	4279874788 (0xFF19B4E4)
YUV	139.1270, 43.8144, -100.0894
Hunter-Lab	62.1190, -20.2204, -32.1326

Details

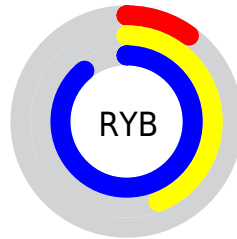
The RYB color **25, 113, 228** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **228, 88, 25**, and the grayscale version is **139, 139, 139**.

A 20% lighter version of the original color is **112, 178, 255**, and **0, 73, 172** is the 20% darker color. If you saturate the color by 10%, you get **2, 100, 228**, and if you desaturate by 10%, it is **48, 126, 228**.

Distribution



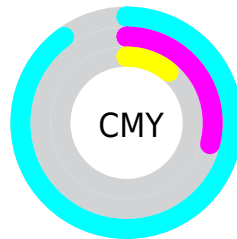
- Red (10%)
- Green (71%)
- Blue (89%)



- Red (10%)
- Yellow (44%)
- Blue (89%)



- Cyan (89%)
- Magenta (21%)
- Yellow (0%)
- Black (11%)




















- Cyan (90%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 25, 113, 228 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 25, 113, 228 by changing the saturation by 10% instead.

 25, 113, 228	 25, 113, 228
 255, 255, 255	 0, 87, 200
 112, 178, 255	 0, 73, 172
 145, 200, 255	 0, 60, 146
 177, 216, 255	 0, 47, 120
 208, 232, 255	 0, 35, 95
 239, 247, 255	 0, 23, 71
	 0, 4, 48
	 0, 1, 26
	 0, 0, 0

■ 25, 113, 228

■ 25, 113, 228

■ 2, 100, 228

■ 48, 126, 228

■ 0, 99, 228

■ 71, 139, 228

■ 93, 151, 228

■ 116, 165, 228

■ 139, 178, 228

■ 162, 190, 228

■ 185, 204, 228

■ 207, 216, 228

■ 230, 230, 228

Harmonies

Analogous

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



0, 96, 201



25, 113, 228



110, 151, 239

Triad

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



25, 113, 228



234, 138, 170



102, 175, 123

Complementary

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



25, 113, 228



228, 88, 25

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.



131, 191, 94



25, 113, 228



236, 142, 134

Square

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



25, 113, 228



211, 145, 205



220, 183, 106



111, 169, 183

Rectangle

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



25, 113, 228



151, 162, 235



220, 183, 106



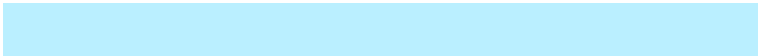
97, 172, 102

Sweetspot

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



25, 113, 228



186, 216, 255



25, 190, 228



87, 105, 128



0, 0, 0



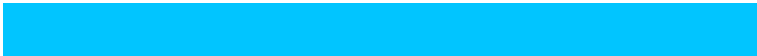
128, 128, 128

Same Dimension

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



25, 113, 228



0, 111, 255



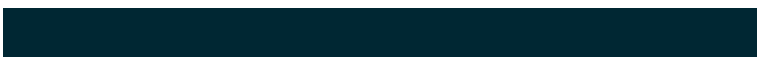
25, 68, 228



103, 108, 115



0, 78, 179



0, 22, 51

Inverse Universe

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



228, 25, 180



255, 0, 195



99, 228, 25



115, 103, 112



179, 0, 137



51, 0, 39

Previews

White Background



This preview shows how the RYB color 25, 113, 228 looks on a white background.

Color Contrast Check

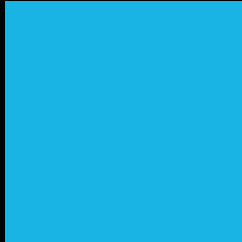
Large Text (above 18pt) WCAG AA × Fail

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 25, 113, 228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

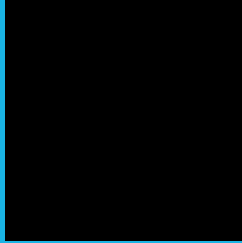
Any Text WCAG AA ✓ Pass

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 25, 113, 228 Background



This preview shows how black text looks on a background with the RYB color 25, 113, 228.

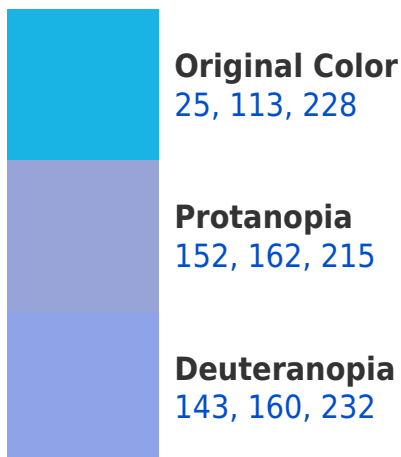


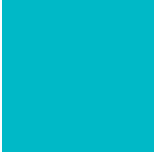
This preview shows how white text looks on a background with the RYB color 25, 113, 228.

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
0, 96, 199

Trichromacy



Original Color

25, 113, 228



Protanomaly

106, 147, 220



Deuteranomaly

100, 146, 231



Tritanomaly

9, 102, 210

Monochromacy



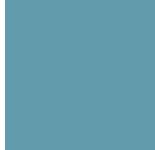
Original Color

25, 113, 228



Achromatopsia

139, 139, 139



Achromatomaly

98, 130, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 25, 113, 228 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(25, 180, 228)` looks like.

```
.text, #text, p{  
    color:rgb(25, 180, 228)  
}
```

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(25, 180, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 180, 228) }
```

Border

The CSS property to change the border of an element to RYB 25, 113, 228 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(25, 180, 228) }
```

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

```
.border{ border-color:rgb(25, 180, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 180, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 180, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 180, 228);  
box-shadow:4px 4px 4px 4px rgb(25, 180,  
228) }
```

Background

The CSS property to change the background color of an element to RGB 25, 113, 228 is called "background".

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

```
.background, #background, body{  
background: rgb(25, 180, 228) }
```

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

```
.background{ background-color: rgb(25, 180,  
228) }
```

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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