

Converting Colors

`RYB(33, 125, 232)`

Have a look what the booklet for RYB(33, 125, 232) contains.

RYB(33, 125, 232)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(33, 125, 232)`

Conversions

Conversions Part 1

Format	Color
Hex	21CCE8
RGB	33, 204, 232
RGB Percent	13%, 80%, 91%
CMY	0.8706, 0.1996, 0.0902
CMYK	0.86, 0.12, 0.00, 0.09
HSL	188°, 81%, 52%
HSV	188°, 86%, 91%
XYZ	36.8100, 49.3841, 83.9359
YIQ	156.0630, -110.9040, -27.5440

Conversions

Conversions Part 2

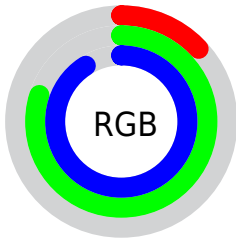
Format	Color
R _{YB}	33, 125, 232
Decimal	2215144
CIE Lab	75.69, -30.76, -25.30
CIE LCh	76, 39.824, 219.436
Yxy	49.3841, 0.2164, 0.2903
Android (android.graphics.Color)	4280405224 (0xFF21CCE8)
YUV	156.0630, 37.4369, -107.9263
Hunter-Lab	70.2739, -29.4795, -21.6250

Details

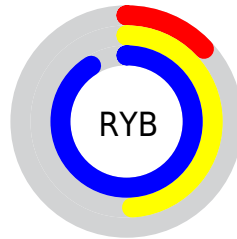
The RYB color **33, 125, 232** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **232, 66, 33**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **118, 187, 255**, and **0, 81, 176** is the 20% darker color. If you saturate the color by 10%, you get **10, 113, 232**, and if you desaturate by 10%, it is **56, 137, 232**.

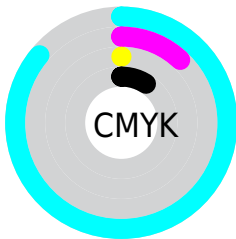
Distribution



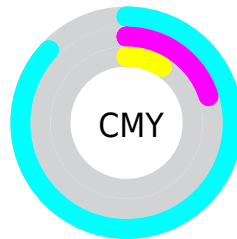
- Red (13%)
- Green (80%)
- Blue (91%)



- Red (13%)
- Yellow (49%)
- Blue (91%)



- Cyan (86%)
- Magenta (12%)
- Yellow (0%)
- Black (9%)




















- Cyan (87%)
- Magenta (20%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 33, 125, 232 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 33, 125, 232 by changing the saturation by 10% instead.

 33, 125, 232	 33, 125, 232
 255, 255, 255	 0, 94, 204
 118, 187, 255	 0, 81, 176
 151, 203, 255	 0, 68, 150
 183, 219, 255	 0, 55, 124
 215, 235, 255	 0, 42, 99
 246, 251, 255	 0, 30, 75
	 0, 19, 52
	 0, 2, 31
	 0, 0, 2

■ 33, 125, 232

■ 33, 125, 232

■ 10, 113, 232

■ 56, 137, 232

■ 0, 107, 232

■ 79, 150, 232

■ 103, 163, 232

■ 126, 175, 232

■ 149, 187, 232

■ 172, 200, 232

■ 195, 212, 232

■ 219, 225, 232

■ 242, 233, 232

Harmonies

Analogous

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



63, 137, 206



33, 125, 232



89, 154, 255

Triad

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



33, 125, 232



242, 162, 213



126, 199, 113

Complementary

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



33, 125, 232



232, 66, 33

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.



228, 232, 118



33, 125, 232



255, 158, 176

Square

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



33, 125, 232



206, 173, 243



253, 169, 142



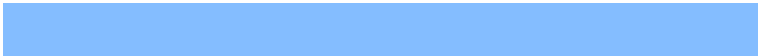
128, 198, 167

Rectangle

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



33, 125, 232



132, 171, 255



253, 169, 142



149, 211, 112

Sweetspot

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



33, 125, 232



189, 220, 255



33, 208, 232



88, 106, 128



0, 0, 0



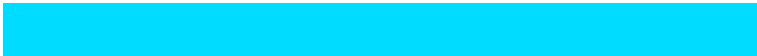
128, 128, 128

Same Dimension

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



33, 125, 232



0, 118, 255



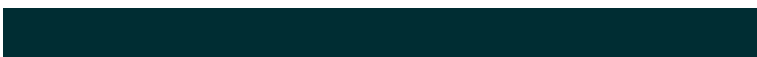
33, 86, 232



103, 108, 115



0, 82, 179



0, 24, 51

Inverse Universe

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



232, 33, 204



255, 0, 219



148, 232, 33



115, 103, 113



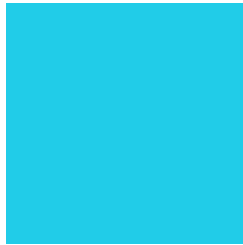
179, 0, 153



51, 0, 44

Previews

White Background



This preview shows how the RYB color 33, 125, 232 looks on a white background.

Color Contrast Check

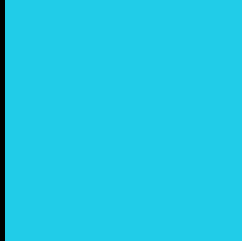
Large Text (above 18pt) WCAG AA × Fail

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 33, 125, 232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

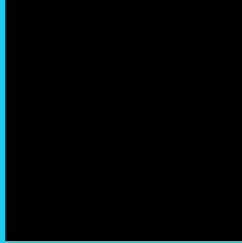
Any Text WCAG AA ✓ Pass

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](#).

RGB 33, 125, 232 Background



This preview shows how black text looks on a background with the RGB color 33, 125, 232.

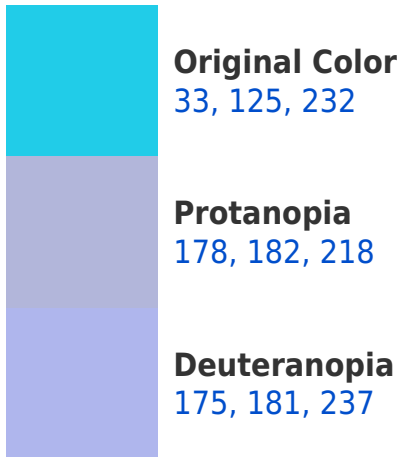


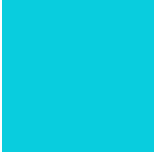
This preview shows how white text looks on a background with the RGB color 33, 125, 232.

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
9, 111, 222

Trichromacy



Original Color

33, 125, 232



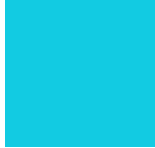
Protanomaly

125, 164, 223



Deuteranomaly

123, 165, 235



Tritanomaly

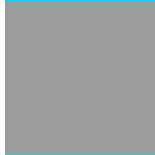
18, 116, 226

Monochromacy



Original Color

33, 125, 232



Achromatopsia

156, 156, 156



Achromatomaly

111, 145, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 33, 125, 232 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(33, 204, 232)` looks like.

```
.text, #text, p{  
    color:rgb(33, 204, 232)  
}
```

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(33, 204, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 204, 232) }
```

Border

The CSS property to change the border of an element to RYB 33, 125, 232 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(33, 204, 232) }
```

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

```
.border{ border-color:rgb(33, 204, 232) }
```

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

Here you see how a box with a 4 pixel rgb(33, 204, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 204, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 204, 232);  
box-shadow:4px 4px 4px 4px rgb(33, 204,  
232) }
```

Background

The CSS property to change the background color of an element to RGB 33, 125, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 204, 232) }
```

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

```
.background{ background-color: rgb(33, 204,  
232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor