

Converting Colors

`RYB(23, 184, 232)`

Have a look what the booklet for
RYB(23, 184, 232) contains.

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Color

`RYB(23, 184, 232)`

Conversions

Conversions Part 1

Format	Color
Hex	17E855
RGB	23, 232, 85
RGB Percent	9%, 91%, 33%
CMY	0.9098, 0.0902, 0.6654
CMYK	0.90, 0.00, 0.63, 0.09
HSL	138°, 82%, 50%
HSV	138°, 90%, 91%
XYZ	30.8620, 58.5562, 18.3350
YIQ	152.7510, -77.3770, -90.0250

Conversions

Conversions Part 2

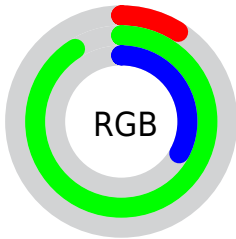
Format	Color
R_{YB}	23, 184, 232
Decimal	1566805
CIE Lab	81.05, -74.64, 56.88
CIE LCh	81, 93.846, 142.692
Yxy	58.5562, 0.2864, 0.5434
Android (android.graphics.Color)	4279756885 (0xFF17E855)
YUV	152.7510, -33.4012, -113.7916
Hunter-Lab	76.5220, -61.9229, 39.3593

Details

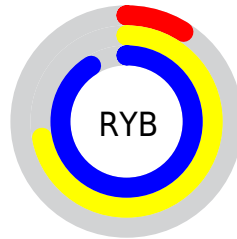
The RYB color **23, 184, 232** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **232, 23, 170**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **115, 234, 255**, and **0, 152, 175** is the 20% darker color. If you saturate the color by 10%, you get **0, 179, 232**, and if you desaturate by 10%, it is **46, 189, 232**.

Distribution



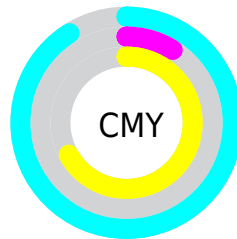
- Red (9%)
- Green (91%)
- Blue (33%)



- Red (9%)
- Yellow (72%)
- Blue (91%)



- Cyan (90%)
- Magenta (0%)
- Yellow (63%)
- Black (9%)










- Cyan (91%)
- Magenta (9%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the RYB color 23, 184, 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 23, 184, 232 by changing the saturation by 10% instead.

 23, 184, 232	 23, 184, 232
 255, 255, 255	 0, 158, 203
 115, 234, 255	 0, 152, 175
 148, 238, 255	 0, 147, 147
 181, 243, 255	 0, 120, 120
 212, 245, 255	 0, 93, 93
 244, 250, 255	 0, 68, 68
	 0, 43, 43
	 0, 7, 7
	 0, 0, 0

■ 23, 184, 232

■ 23, 184, 232

■ 0, 179, 232

■ 46, 189, 232

■ 69, 194, 232

■ 93, 200, 232

■ 116, 206, 232

■ 139, 210, 232

■ 162, 216, 232

■ 185, 221, 232

■ 209, 227, 232

■ 232, 232, 232

Harmonies

Analogous

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



0, 217, 40



23, 184, 232



0, 138, 239

Triad

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



23, 184, 232



0, 118, 255



255, 112, 139

Complementary

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



23, 184, 232



232, 23, 170

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, 107, 227



23, 184, 232



149, 177, 255

Square

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



23, 184, 232



0, 122, 255



255, 144, 255



255, 240, 57

Rectangle

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



23, 184, 232



0, 122, 241



255, 144, 255



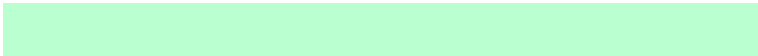
255, 104, 168

Sweetspot

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



23, 184, 232



186, 239, 255



23, 232, 82



87, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



23, 184, 232



0, 196, 255



23, 140, 232



103, 112, 115



0, 138, 179



0, 39, 51

Inverse Universe

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



232, 23, 170



255, 0, 179



232, 23, 68



115, 103, 111



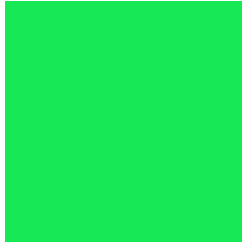
179, 0, 125



51, 0, 36

Previews

White Background



This preview shows how the RYB color 23, 184, 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 23, 184, 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](#).

RYB 23, 184, 232 Background



This preview shows how black text looks on a background with the RYB color 23, 184, 232.

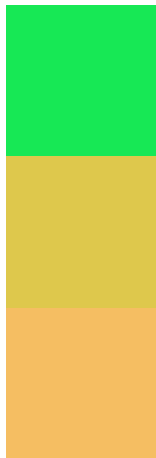


This preview shows how white text looks on a background with the RYB color 23, 184, 232.

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](#).

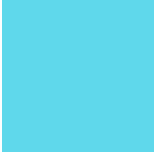
Dichromacy



Original Color
23, 184, 232

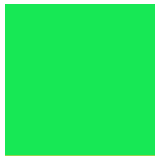
Protanopia
102, 222, 76

Deuteranopia
186, 245, 98



Tritanopia
95, 160, 235

Trichromacy



Original Color

23, 184, 232



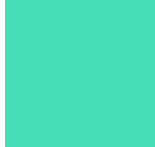
Protanomaly

79, 212, 141



Deuteranomaly

93, 205, 134



Tritanomaly

69, 157, 222

Monochromacy



Original Color

23, 184, 232



Achromatopsia

153, 153, 153



Achromatomaly

106, 165, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 23, 184, 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(23, 232, 85)` looks like.

```
.text, #text, p{  
    color:rgb(23, 232, 85)  
}
```

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(23, 232, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 232, 85) }
```

Border

The CSS property to change the border of an element to RYB 23, 184, 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(23, 232, 85) }
```

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

```
.border{ border-color:rgb(23, 232, 85) }
```

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

Here you see how a box with a 4 pixel rgb(23, 232, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 232, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 232, 85);  
box-shadow:4px 4px 4px 4px rgb(23, 232,  
85) }
```

Background

The CSS property to change the background color of an element to RGB 23, 184, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 232, 85) }
```

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

```
.background{ background-color: rgb(23, 232,  
85) }
```

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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