

Converting Colors

`RYB(30, 145, 225)`

Have a look what the booklet for
RYB(30, 145, 225) contains.

RYB(30, 145, 225)	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

$\text{RYB}(30, 145, 225)$

Conversions

Conversions Part 1

Format	Color
Hex	1EE1A6
RGB	30, 225, 166
RGB Percent	12%, 88%, 65%
CMY	0.8824, 0.1176, 0.3504
CMYK	0.87, 0.00, 0.26, 0.12
HSL	162°, 76%, 50%
HSV	162°, 87%, 88%
XYZ	34.3117, 56.8669, 45.0773
YIQ	159.9690, -97.2810, -59.6890

Conversions

Conversions Part 2

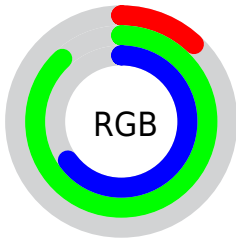
Format	Color
RYB	30, 145, 225
Decimal	2023846
CIELab	80.10, -58.23, 16.64
CIELCh	80, 60.557, 164.054
Yxy	56.8669, 0.2518, 0.4174
Android (android.graphics.Color)	4280213926 (0xFF1EE1A6)
YUV	159.9690, 2.9733, -113.9828
Hunter-Lab	75.4101, -50.7500, 17.3458

Details

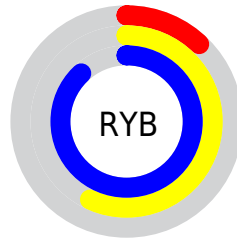
The RYB color **30, 145, 225** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **225, 30, 89**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **115, 195, 255**, and **0, 100, 168** is the 20% darker color. If you saturate the color by 10%, you get **8, 136, 225**, and if you desaturate by 10%, it is **53, 155, 225**.

Distribution



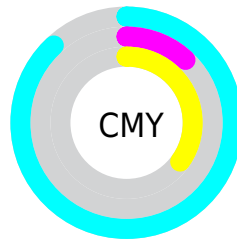
- Red (12%)
- Green (88%)
- Blue (65%)



- Red (12%)
- Yellow (57%)
- Blue (88%)



- Cyan (87%)
- Magenta (0%)
- Yellow (26%)
- Black (12%)





















- Cyan (88%)
- Magenta (12%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the RYB color 30, 145, 225 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 30, 145, 225 by changing the saturation by 10% instead.


 30, 145, 225	 30, 145, 225
 255, 255, 255	 0, 115, 196
 115, 195, 255	 0, 100, 168
 147, 203, 255	 0, 86, 141
 179, 217, 255	 0, 73, 114
 210, 233, 255	 0, 60, 89
 241, 248, 255	 0, 47, 63
	 0, 40, 40
	 0, 1, 1
	 0, 0, 0


 30, 145, 225


 30, 145, 225


 8, 136, 225


 53, 155, 225

 0, 133, 225

 75, 164, 225

 98, 173, 225

 120, 182, 225

 143, 191, 225

 165, 200, 225

 188, 210, 225

 210, 219, 225

 233, 225, 227

Harmonies

Analogous

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



114, 217, 189



30, 145, 225



0, 114, 227

Triad

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



30, 145, 225



150, 182, 255



255, 183, 122

Complementary

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



30, 145, 225



225, 30, 89

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, 150, 174



30, 145, 225



237, 173, 255

Square

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



30, 145, 225



0, 116, 255



255, 154, 231



209, 255, 88

Rectangle

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



30, 145, 225



0, 120, 255



255, 154, 231



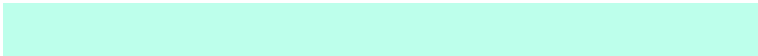
255, 162, 138

Sweetspot

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



30, 145, 225



189, 228, 255



30, 225, 163



88, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



30, 145, 225



0, 151, 255



30, 118, 225



101, 107, 112



0, 104, 176



0, 28, 48

Inverse Universe

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



225, 30, 89



255, 0, 78



225, 74, 30



112, 101, 104



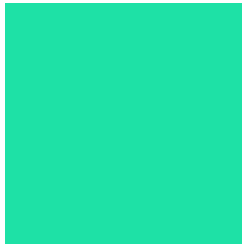
176, 0, 54



48, 0, 15

Previews

White Background



This preview shows how the RYB color 30, 145, 225 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 30, 145, 225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

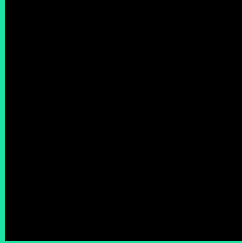
Any Text WCAG AA ✓ Pass

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](#).

R Y B 30, 145, 225 Background



This preview shows how black text looks on a background with the R Y B color 30, 145, 225.

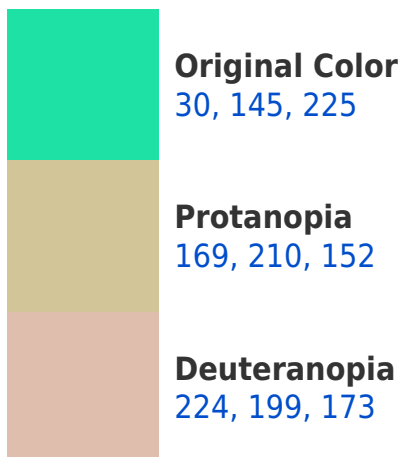


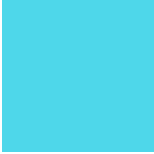
This preview shows how white text looks on a background with the R Y B color 30, 145, 225.

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





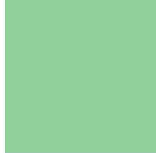
Tritanopia
78, 151, 234

Trichromacy



Original Color

30, 145, 225



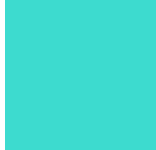
Protanomaly

145, 197, 207



Deuteranomaly

153, 190, 203



Tritanomaly

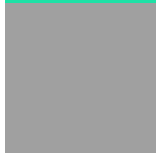
61, 143, 219

Monochromacy



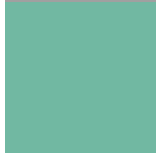
Original Color

30, 145, 225



Achromatopsia

160, 160, 160



Achromatomaly

113, 155, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 30, 145, 225 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(30, 225, 166)` looks like.

```
.text, #text, p{  
    color:rgb(30, 225, 166)  
}
```

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(30, 225, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 225, 166) }
```

Border

The CSS property to change the border of an element to RYB 30, 145, 225 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(30, 225, 166) }
```

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

```
.border{ border-color:rgb(30, 225, 166) }
```

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

Here you see how a box with a 4 pixel rgb(30, 225, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 225, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 225, 166);  
box-shadow:4px 4px 4px 4px rgb(30, 225,  
166) }
```

Background

The CSS property to change the background color of an element to RGB 30, 145, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 225, 166) }
```

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

```
.background{ background-color: rgb(30, 225,  
166) }
```

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