

Converting Colors

`RYB(36, 132, 224)`

Have a look what the booklet for
RYB(36, 132, 224) contains.

RYB(36, 132, 224)	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

$\text{RYB}(36, 132, 224)$

Conversions

Conversions Part 1

Format	Color
Hex	24E0D8
RGB	36, 224, 216
RGB Percent	14%, 88%, 85%
CMY	0.8588, 0.1216, 0.1523
CMYK	0.84, 0.00, 0.03, 0.12
HSL	177°, 75%, 51%
HSV	177°, 84%, 88%
XYZ	39.7994, 58.6529, 74.3023
YIQ	166.8760, -109.4800, -42.3440

Conversions

Conversions Part 2

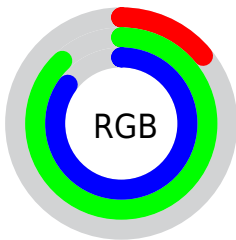
Format	Color
RYB	36, 132, 224
Decimal	2416856
CIELab	81.10, -44.47, -8.67
CIELCh	81, 45.306, 191.027
Yxy	58.6529, 0.2304, 0.3395
Android (android.graphics.Color)	4280606936 (0xFF24E0D8)
YUV	166.8760, 24.2181, -114.7783
Hunter-Lab	76.5852, -41.2619, -3.9130

Details

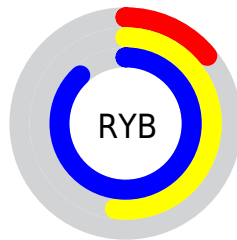
The RYB color **36, 132, 224** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **224, 36, 44**, and the grayscale version is **167, 167, 167**.

A 20% lighter version of the original color is **120, 188, 255**, and **0, 86, 168** is the 20% darker color. If you saturate the color by 10%, you get **14, 121, 224**, and if you desaturate by 10%, it is **58, 143, 224**.

Distribution



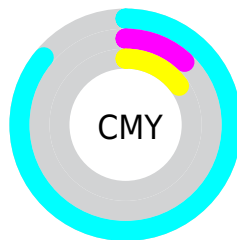
- Red (14%)
- Green (88%)
- Blue (85%)



- Red (14%)
- Yellow (52%)
- Blue (88%)



- Cyan (84%)
- Magenta (0%)
- Yellow (3%)
- Black (12%)




















- Cyan (86%)
- Magenta (12%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 36, 132, 224 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 36, 132, 224 by changing the saturation by 10% instead.

 36, 132, 224	 36, 132, 224
 255, 255, 255	 0, 100, 196
 120, 188, 255	 0, 86, 168
 153, 204, 255	 0, 72, 141
 185, 220, 255	 0, 59, 115
 217, 236, 255	 0, 45, 89
 248, 252, 255	 0, 33, 65
	 0, 22, 43
	 0, 6, 21
	 0, 0, 0

■ 36, 132, 224

■ 36, 132, 224

■ 14, 121, 224

■ 58, 143, 224

■ 0, 114, 224

■ 81, 154, 224

■ 103, 165, 224

■ 126, 176, 224

■ 148, 187, 224

■ 170, 198, 224

■ 193, 209, 224

■ 215, 220, 224

■ 238, 224, 225

Harmonies

Analogous

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



112, 183, 222



36, 132, 224



0, 118, 255

Triad

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



36, 132, 224



226, 185, 255



239, 252, 121

Complementary

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



36, 132, 224



224, 36, 44

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, 184, 148



36, 132, 224



255, 172, 230

Square

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



36, 132, 224



165, 190, 255



255, 168, 187



128, 214, 117

Rectangle

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



36, 132, 224



51, 143, 255



255, 168, 187



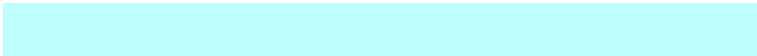
255, 231, 128

Sweetspot

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



36, 132, 224



191, 224, 255



36, 224, 215



89, 109, 128



0, 0, 0



128, 128, 128

Same Dimension

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



36, 132, 224



0, 130, 255



36, 103, 224



101, 107, 112



0, 90, 176



0, 25, 48

Inverse Universe

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



224, 36, 44



255, 0, 11



224, 191, 36



112, 101, 101



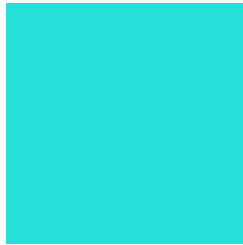
176, 0, 7



48, 0, 2

Previews

White Background



This preview shows how the RYB color 36, 132, 224 looks on a white background.

Color Contrast Check

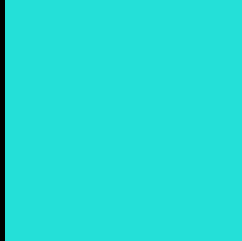
Large Text (above 18pt) WCAG AA × Fail

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 36, 132, 224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

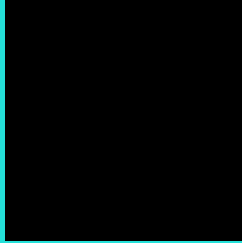
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

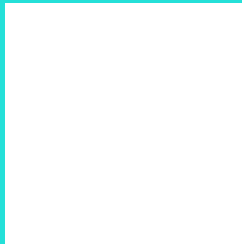
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 36, 132, 224 Background



This preview shows how black text looks on a background with the R Y B color 36, 132, 224.



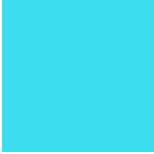
This preview shows how white text looks on a background with the R Y B color 36, 132, 224.

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
58, 144, 239

Trichromacy



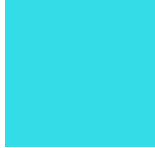
Original Color
36, 132, 224



Protanomaly
142, 175, 208



Deuteranomaly
145, 179, 221

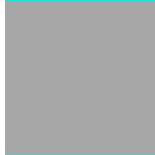


Tritanomaly
50, 138, 231

Monochromacy



Original Color
36, 132, 224



Achromatopsia
167, 167, 167



Achromatomaly
119, 154, 188

CSS Examples

Text

The CSS property to change the color of the text to RYB 36, 132, 224 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(36, 224, 216)` looks like.

```
.text, #text, p{  
    color:rgb(36, 224, 216)  
}
```

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(36, 224, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 224, 216) }
```

Border

The CSS property to change the border of an element to RYB 36, 132, 224 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(36, 224, 216) }
```

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

```
.border{ border-color:rgb(36, 224, 216) }
```

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

Here you see how a box with a 4 pixel rgb(36, 224, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 224, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 224, 216);  
box-shadow:4px 4px 4px 4px rgb(36, 224,  
216) }
```

Background

The CSS property to change the background color of an element to RGB 36, 132, 224 is called "background".

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

```
.background, #background, body{  
background: rgb(36, 224, 216) }
```

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

```
.background{ background-color: rgb(36, 224,  
216) }
```

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