

Converting Colors

`RYB(36, 122, 221)`

Have a look what the booklet for
RYB(36, 122, 221) contains.

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Color

$\text{RYB}(36, 122, 221)$

Conversions

Conversions Part 1

Format	Color
Hex	24C5DD
RGB	36, 197, 221
RGB Percent	14%, 77%, 87%
CMY	0.8588, 0.2286, 0.1333
CMYK	0.84, 0.11, 0.00, 0.13
HSL	188°, 73%, 50%
HSV	188°, 84%, 87%
XYZ	33.6785, 45.3951, 75.3937
YIQ	151.5970, -103.6600, -26.6680

Conversions

Conversions Part 2

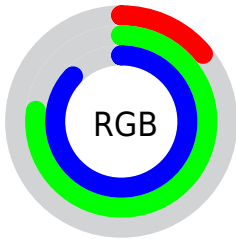
Format	Color
RYB	36, 122, 221
Decimal	2409949
CIELab	73.15, -30.46, -23.23
CIELCh	73, 38.306, 217.330
Yxy	45.3951, 0.2180, 0.2939
Android (android.graphics.Color)	4280600029 (0xFF24C5DD)
YUV	151.5970, 34.2157, -101.3786
Hunter-Lab	67.3759, -28.6829, -19.1824

Details

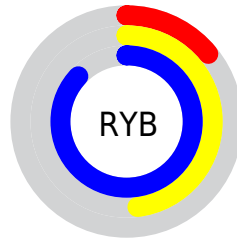
The RYB color **36, 122, 221** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **221, 64, 36**, and the grayscale version is **151, 151, 151**.

A 20% lighter version of the original color is **117, 186, 255**, and **0, 77, 166** is the 20% darker color. If you saturate the color by 10%, you get **14, 110, 221**, and if you desaturate by 10%, it is **58, 134, 221**.

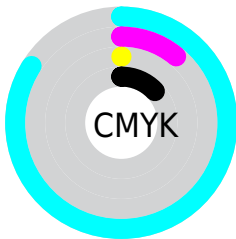
Distribution



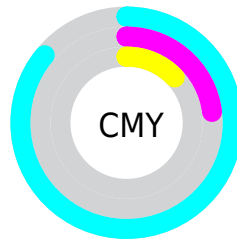
- Red (14%)
- Green (77%)
- Blue (87%)



- Red (14%)
- Yellow (48%)
- Blue (87%)



- Cyan (84%)
- Magenta (11%)
- Yellow (0%)
- Black (13%)




















- Cyan (86%)
- Magenta (23%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 36, 122, 221 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, 122, 221 by changing the saturation by 10% instead.

 36, 122, 221	 36, 122, 221
 255, 255, 255	 0, 90, 193
 117, 186, 255	 0, 77, 166
 149, 202, 255	 0, 64, 139
 181, 218, 255	 0, 51, 114
 212, 234, 255	 0, 38, 89
 243, 249, 255	 0, 27, 66
	 0, 14, 44
	 0, 1, 23
	 0, 0, 0

■ 36, 122, 221

■ 36, 122, 221

■ 14, 110, 221

■ 58, 134, 221

■ 0, 103, 221

■ 80, 146, 221

■ 102, 157, 221

■ 124, 169, 221

■ 147, 181, 221

■ 169, 193, 221

■ 191, 205, 221

■ 213, 217, 221

■ 235, 223, 221

Harmonies

Analogous

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



66, 136, 199



36, 122, 221



83, 148, 244

Triad

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



36, 122, 221



231, 156, 207



126, 194, 109

Complementary

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



36, 122, 221



221, 64, 36

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.



225, 217, 115



36, 122, 221



247, 152, 172

Square

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



36, 122, 221



195, 167, 235



245, 161, 139



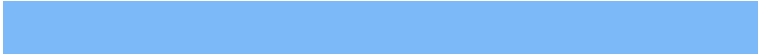
123, 190, 157

Rectangle

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



36, 122, 221



124, 165, 249



245, 161, 139



152, 206, 109

Sweetspot

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



36, 122, 221



191, 221, 255



36, 201, 221



89, 107, 128



0, 0, 0



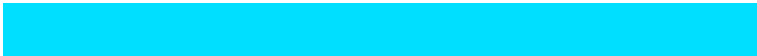
128, 128, 128

Same Dimension

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



36, 122, 221



0, 119, 255



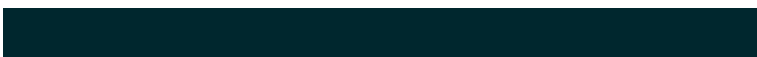
36, 87, 221



99, 104, 110



0, 81, 173



0, 21, 46

Inverse Universe

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



221, 36, 197



255, 0, 222



151, 221, 36



110, 99, 108



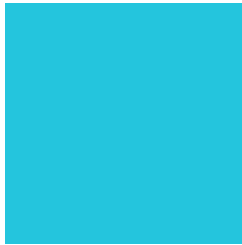
173, 0, 151



46, 0, 40

Previews

White Background



This preview shows how the RYB color 36, 122, 221 looks on a white background.

Color Contrast Check

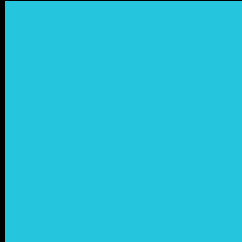
Large Text (above 18pt) WCAG AA × Fail

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, 122, 221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

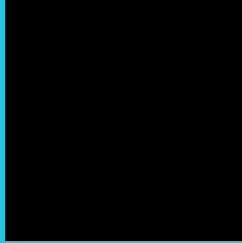
Any Text WCAG AA ✓ Pass

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 36, 122, 221 Background



This preview shows how black text looks on a background with the RYB color 36, 122, 221.

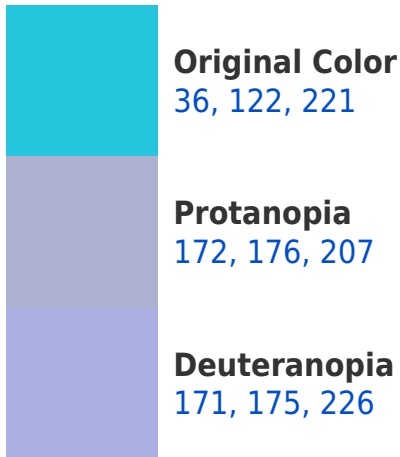


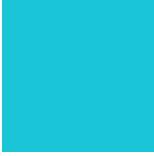
This preview shows how white text looks on a background with the RYB color 36, 122, 221.

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





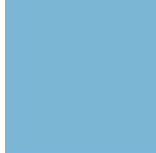
Tritanopia
25, 115, 214

Trichromacy



Original Color

36, 122, 221



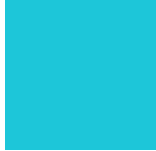
Protanomaly

123, 159, 212



Deuteranomaly

122, 160, 224



Tritanomaly

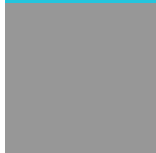
29, 118, 217

Monochromacy



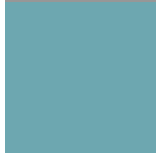
Original Color

36, 122, 221



Achromatopsia

151, 151, 151



Achromatomaly

109, 140, 176

CSS Examples

Text

The CSS property to change the color of the text to RYB 36, 122, 221 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, 197, 221)` looks like.

```
.text, #text, p{  
    color:rgb(36, 197, 221)  
}
```

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, 197, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 197, 221) }
```

Border

The CSS property to change the border of an element to RYB 36, 122, 221 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, 197, 221) }
```

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

```
.border{ border-color:rgb(36, 197, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 197, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 197, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 197, 221);  
box-shadow:4px 4px 4px 4px rgb(36, 197,  
221) }
```

Background

The CSS property to change the background color of an element to RGB 36, 122, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 197, 221) }
```

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

```
.background{ background-color: rgb(36, 197,  
221) }
```

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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