

Converting Colors

`RYB(41, 129, 217)`

Have a look what the booklet for RYB(41, 129, 217) contains.

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Color

`RYB(41, 129, 217)`

Conversions

Conversions Part 1

Format	Color
Hex	29D9D9
RGB	41, 217, 217
RGB Percent	16%, 85%, 85%
CMY	0.8392, 0.1490, 0.1490
CMYK	0.81, 0.00, 0.00, 0.15
HSL	180°, 70%, 51%
HSV	180°, 81%, 85%
XYZ	38.2517, 55.1069, 74.2663
YIQ	164.3760, -104.8960, -37.3120

Conversions

Conversions Part 2

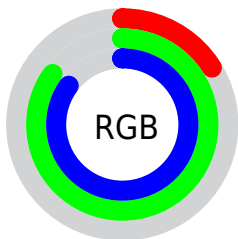
Format	Color
RYB	41, 129, 217
Decimal	2742745
CIELab	79.10, -40.77, -12.08
CIELCh	79, 42.524, 196.506
Yxy	55.1069, 0.2282, 0.3288
Android (android.graphics.Color)	4280932825 (0xFF29D9D9)
YUV	164.3760, 25.9436, -108.2008
Hunter-Lab	74.2340, -37.9311, -7.3520

Details

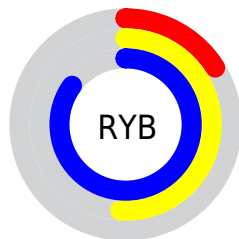
The RYB color **41, 129, 217** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **217, 41, 41**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **121, 188, 255**, and **0, 81, 162** is the 20% darker color. If you saturate the color by 10%, you get **19, 118, 217**, and if you desaturate by 10%, it is **63, 140, 217**.

Distribution



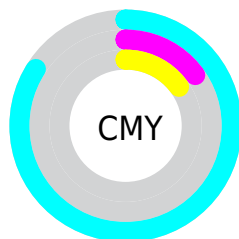
- Red (16%)
- Green (85%)
- Blue (85%)



- Red (16%)
- Yellow (51%)
- Blue (85%)



- Cyan (81%)
- Magenta (0%)
- Yellow (0%)
- Black (15%)




















- Cyan (84%)
- Magenta (15%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 41, 129, 217 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 41, 129, 217 by changing the saturation by 10% instead.

 41, 129, 217	 41, 129, 217
 255, 255, 255	 0, 95, 189
 121, 188, 255	 0, 81, 162
 154, 205, 255	 0, 68, 136
 185, 220, 255	 0, 55, 111
 217, 236, 255	 0, 42, 86
 248, 252, 255	 0, 30, 63
	 0, 20, 41
	 0, 1, 22
	 0, 0, 0

■ 41, 129, 217

■ 41, 129, 217

■ 19, 118, 217

■ 63, 140, 217

■ 0, 109, 217

■ 84, 151, 217

■ 106, 162, 217

■ 128, 173, 217

■ 149, 183, 217

■ 171, 194, 217

■ 193, 205, 217

■ 215, 216, 217

■ 236, 217, 217

Harmonies

Analogous

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



104, 172, 216



41, 129, 217



26, 129, 252

Triad

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



41, 129, 217



228, 178, 251



208, 238, 119

Complementary

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



41, 129, 217



217, 41, 41

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, 188, 140



41, 129, 217



255, 167, 215

Square

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



41, 129, 217



174, 189, 255



255, 166, 175



119, 200, 119

Rectangle

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



41, 129, 217



80, 154, 255



255, 166, 175



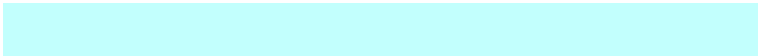
248, 237, 124

Sweetspot

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



41, 129, 217



194, 225, 255



41, 217, 217



91, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



41, 129, 217



8, 132, 255



41, 100, 217



99, 105, 110



0, 87, 173



0, 23, 46

Inverse Universe

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



217, 41, 217



255, 8, 255



217, 217, 41



110, 99, 110



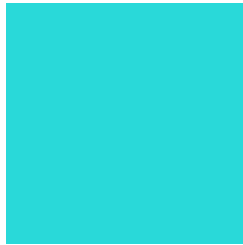
173, 0, 173



46, 0, 46

Previews

White Background



This preview shows how the RYB color 41, 129, 217 looks on a white background.

Color Contrast Check

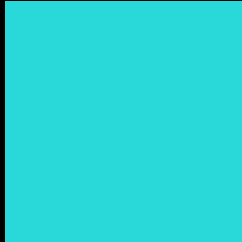
Large Text (above 18pt) WCAG AA × Fail

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 41, 129, 217 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

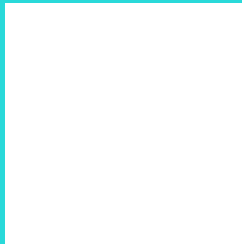
Any Text WCAG AAA ✓ Pass

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

RYB 41, 129, 217 Background



This preview shows how black text looks on a background with the RYB color 41, 129, 217.

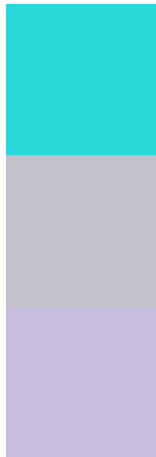


This preview shows how white text looks on a background with the RYB color 41, 129, 217.

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](#).

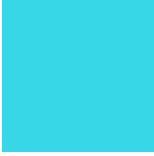
Dichromacy



Original Color
41, 129, 217

Protanopia
195, 193, 202

Deuteranopia
199, 189, 223



Tritanopia
55, 139, 232

Trichromacy



Original Color

41, 129, 217



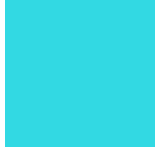
Protanomaly

139, 172, 207



Deuteranomaly

142, 175, 221



Tritanomaly

50, 136, 227

Monochromacy



Original Color

41, 129, 217



Achromatopsia

164, 164, 164



Achromatomaly

119, 151, 183

CSS Examples

Text

The CSS property to change the color of the text to RYB 41, 129, 217 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(41, 217, 217)` looks like.

```
.text, #text, p{  
    color:rgb(41, 217, 217)  
}
```

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(41, 217, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 217, 217) }
```

Border

The CSS property to change the border of an element to RYB 41, 129, 217 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(41, 217, 217) }
```

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

```
.border{ border-color:rgb(41, 217, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 217, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 217, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 217, 217);  
box-shadow:4px 4px 4px 4px rgb(41, 217,  
217) }
```

Background

The CSS property to change the background color of an element to RYB 41, 129, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 217, 217) }
```

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

```
.background{ background-color: rgb(41, 217,  
217) }
```

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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