

Converting Colors

`RYB(41, 117, 206)`

Have a look what the booklet for
RYB(41, 117, 206) contains.

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Color

$\text{RYB}(41, 117, 206)$

Conversions

Conversions Part 1

Format	Color
Hex	29B6CE
RGB	41, 182, 206
RGB Percent	16%, 71%, 81%
CMY	0.8392, 0.2867, 0.1922
CMYK	0.80, 0.12, 0.00, 0.19
HSL	189°, 67%, 48%
HSV	189°, 80%, 81%
XYZ	28.7623, 38.3421, 64.2774
YIQ	142.5770, -91.7400, -22.4280

Conversions

Conversions Part 2

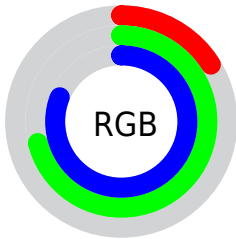
Format	Color
RYB	41, 117, 206
Decimal	2733774
CIELab	68.27, -27.56, -22.48
CIELCh	68, 35.562, 219.206
Yxy	38.3421, 0.2189, 0.2918
Android (android.graphics.Color)	4280923854 (0xFF29B6CE)
YUV	142.5770, 31.2675, -89.0830
Hunter-Lab	61.9210, -25.4487, -18.2015

Details

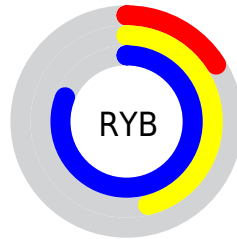
The RYB color **41, 117, 206** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **206, 69, 41**, and the grayscale version is **142, 142, 142**.

A 20% lighter version of the original color is **115, 180, 255**, and **0, 70, 152** is the 20% darker color. If you saturate the color by 10%, you get **20, 106, 206**, and if you desaturate by 10%, it is **62, 128, 206**.

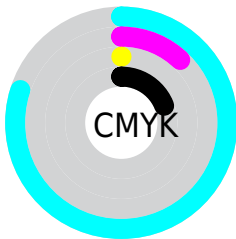
Distribution



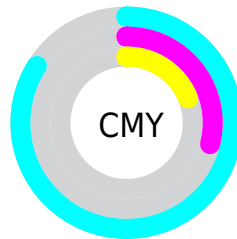
- Red (16%)
- Green (71%)
- Blue (81%)



- Red (16%)
- Yellow (46%)
- Blue (81%)



- Cyan (80%)
- Magenta (12%)
- Yellow (0%)
- Black (19%)




















- Cyan (84%)
- Magenta (29%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 41, 117, 206 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, 117, 206 by changing the saturation by 10% instead.

 41, 117, 206	 41, 117, 206
 255, 255, 255	 0, 83, 178
 115, 180, 255	 0, 70, 152
 147, 201, 255	 0, 57, 126
 177, 216, 255	 0, 44, 101
 208, 232, 255	 0, 32, 77
 239, 247, 255	 0, 21, 54
	 0, 2, 33
	 0, 0, 5
	 0, 0, 0

■ 41, 117, 206

■ 41, 117, 206

■ 20, 106, 206

■ 62, 128, 206

■ 0, 95, 206

■ 82, 139, 206

■ 103, 150, 206

■ 123, 161, 206

■ 144, 173, 206

■ 165, 184, 206

■ 185, 195, 206

■ 206, 206, 206

■ 226, 210, 206

Harmonies

Analogous

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



62, 125, 184



41, 117, 206



83, 139, 226

Triad

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



41, 117, 206



215, 145, 190



114, 178, 102

Complementary

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



41, 117, 206



206, 69, 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.



207, 207, 107



41, 117, 206



229, 142, 158

Square

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



41, 117, 206



183, 155, 216



225, 152, 127



116, 177, 150

Rectangle

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



41, 117, 206



119, 154, 230



225, 152, 127



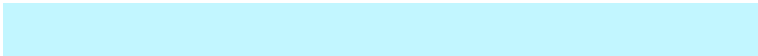
137, 189, 102

Sweetspot

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



41, 117, 206



194, 222, 255



41, 187, 206



91, 108, 128



0, 0, 0



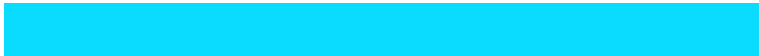
128, 128, 128

Same Dimension

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



41, 117, 206



10, 123, 255



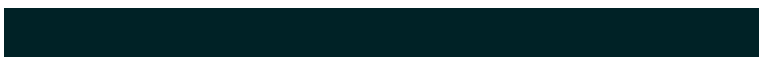
41, 86, 206



92, 97, 102



0, 77, 166



0, 18, 38

Inverse Universe

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



206, 41, 182



255, 10, 219



135, 206, 41



102, 92, 101



166, 0, 142



38, 0, 33

Previews

White Background



This preview shows how the RYB color 41, 117, 206 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, 117, 206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

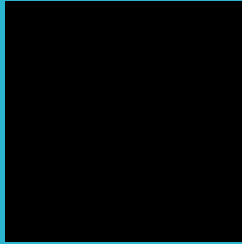
Any Text WCAG AA ✓ Pass

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](#).

RGB 41, 117, 206 Background



This preview shows how black text looks on a background with the RGB color 41, 117, 206.

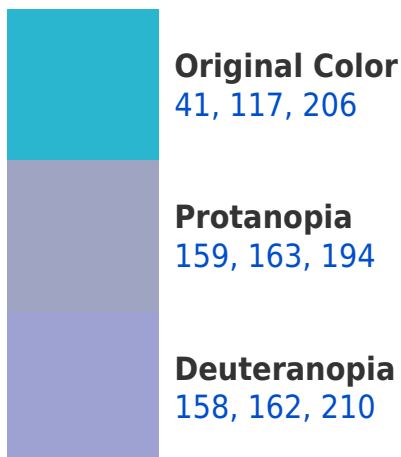


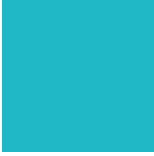
This preview shows how white text looks on a background with the RGB color 41, 117, 206.

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
32, 111, 198

Trichromacy



Original Color

41, 117, 206



Protanomaly

116, 149, 198



Deuteranomaly

115, 149, 209



Tritanomaly

35, 113, 201

Monochromacy



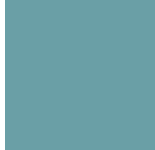
Original Color

41, 117, 206



Achromatopsia

143, 143, 143



Achromatomaly

106, 134, 166

CSS Examples

Text

The CSS property to change the color of the text to RYB 41, 117, 206 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, 182, 206)` looks like.

```
.text, #text, p{  
    color:rgb(41, 182, 206)  
}
```

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, 182, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 182, 206) }
```

Border

The CSS property to change the border of an element to RYB 41, 117, 206 is called "border". The border property can be set on classes, ids or directly on the HTML element.

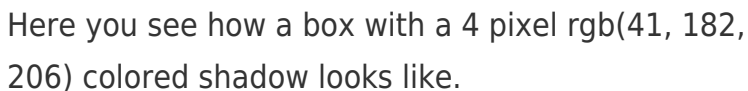
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(41, 182, 206) }
```

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

```
.border{ border-color:rgb(41, 182, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(41, 182, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(41, 182, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(41, 182, 206); box-shadow:4px 4px 4px 4px rgb(41, 182, 206) }
```

Background

The CSS property to change the background color of an element to RYB 41, 117, 206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 182, 206) }
```

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

```
.background{ background-color: rgb(41, 182,  
206) }
```

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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