

Converting Colors

`RYB(42, 110, 207)`

Have a look what the booklet for
RYB(42, 110, 207) contains.

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Color

R_YB(42, 110, 207)

Conversions

Conversions Part 1

Format	Color
Hex	2A9ECF
RGB	42, 158, 207
RGB Percent	16%, 62%, 81%
CMY	0.8353, 0.3817, 0.1882
CMYK	0.80, 0.24, 0.00, 0.19
HSL	198°, 66%, 49%
HSV	198°, 80%, 81%
XYZ	24.3880, 29.3386, 63.4090
YIQ	128.9020, -84.8650, -9.3530

Conversions

Conversions Part 2

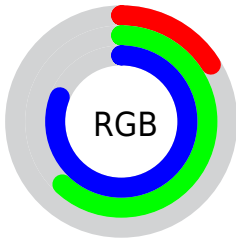
Format	Color
R_{YB}	42, 110, 207
Decimal	2793167
CIE _{Lab}	61.08, -14.51, -34.12
CIE _{LCh}	61, 37.080, 246.956
Yxy	29.3386, 0.2082, 0.2505
Android (android.graphics.Color)	4280983247 (0xFF2A9ECF)
YUV	128.9020, 38.5023, -76.2131
Hunter-Lab	54.1651, -14.4187, -31.4930

Details

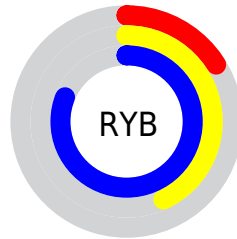
The RYB color **42, 110, 207** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark muted azure. A complement of this color would be **207, 112, 42**, and the grayscale version is **128, 128, 128**.

A 20% lighter version of the original color is **114, 172, 255**, and **0, 63, 152** is the 20% darker color. If you saturate the color by 10%, you get **21, 98, 207**, and if you desaturate by 10%, it is **63, 122, 207**.

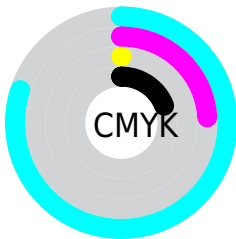
Distribution



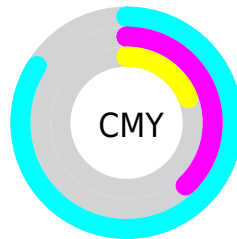
- Red (16%)
- Green (62%)
- Blue (81%)



- Red (16%)
- Yellow (43%)
- Blue (81%)



- Cyan (80%)
- Magenta (24%)
- Yellow (0%)
- Black (19%)




















- Cyan (84%)
- Magenta (38%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 42, 110, 207 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 42, 110, 207 by changing the saturation by 10% instead.

 42, 110, 207	 42, 110, 207
 255, 255, 255	 0, 76, 179
 114, 172, 255	 0, 62, 152
 145, 196, 255	 0, 50, 126
 175, 215, 255	 0, 37, 101
 205, 230, 255	 0, 25, 77
 236, 246, 255	 0, 10, 54
	 0, 2, 32
	 0, 0, 4
	 0, 0, 0

■ 42, 110, 207

■ 42, 110, 207

■ 21, 98, 207

■ 63, 122, 207

■ 1, 86, 207

■ 83, 134, 207

■ 0, 85, 207

■ 104, 146, 207

■ 125, 159, 207

■ 146, 171, 207

■ 166, 183, 207

■ 187, 195, 207

■ 208, 207, 207

■ 228, 215, 207

Harmonies

Analogous

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



0, 87, 186



42, 110, 207



111, 138, 212

Triad

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



42, 110, 207



210, 121, 141



94, 157, 125

Complementary

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



42, 110, 207



207, 112, 42

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.



97, 161, 81



42, 110, 207



207, 129, 110

Square

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



42, 110, 207



195, 125, 174



189, 185, 87



84, 138, 163

Rectangle

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



42, 110, 207



146, 140, 206



189, 185, 87



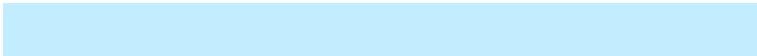
88, 154, 104

Sweetspot

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



42, 110, 207



194, 219, 255



42, 170, 207



91, 106, 128



0, 0, 0



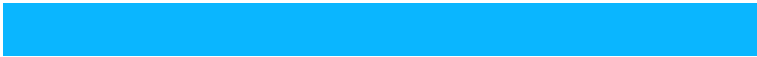
128, 128, 128

Same Dimension

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



42, 110, 207



10, 111, 255



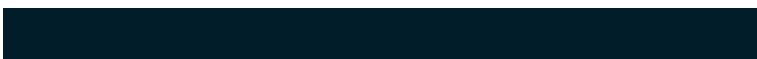
42, 72, 207



94, 98, 105



0, 69, 168



0, 17, 41

Inverse Universe

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



207, 42, 158



255, 10, 182



88, 207, 42



105, 94, 101



168, 0, 118



41, 0, 29

Previews

White Background



This preview shows how the RYB color 42, 110, 207 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 110, 207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

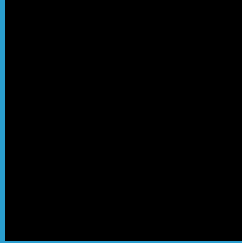
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

R Y B 42, 110, 207 Background



This preview shows how black text looks on a background with the R Y B color 42, 110, 207.

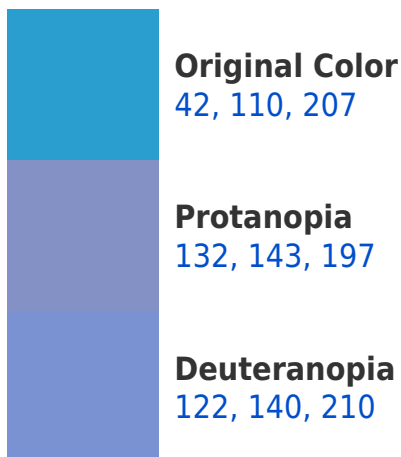


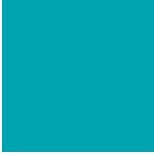
This preview shows how white text looks on a background with the R Y B color 42, 110, 207.

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
0, 85, 176

Trichromacy



Original Color
42, 110, 207

Protanomaly
99, 133, 201

Deuteranomaly
93, 131, 209

Tritanomaly
15, 94, 187

Monochromacy



Original Color
42, 110, 207

Achromatopsia
129, 129, 129

Achromatomaly
97, 122, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 42, 110, 207 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(42, 158, 207)` looks like.

```
.text, #text, p{  
    color:rgb(42, 158, 207)  
}
```

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(42, 158, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 158, 207) }
```

Border

The CSS property to change the border of an element to RYB 42, 110, 207 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(42, 158, 207) }
```

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

```
.border{ border-color:rgb(42, 158, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 158, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 158, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 158, 207);  
box-shadow:4px 4px 4px 4px rgb(42, 158,  
207) }
```

Background

The CSS property to change the background color of an element to RYB 42, 110, 207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 158, 207) }
```

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

```
.background{ background-color: rgb(42, 158,  
207) }
```

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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