

Converting Colors

`RYB(42, 115, 215)`

Have a look what the booklet for
RYB(42, 115, 215) contains.

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Color

RYB(42, 115, 215)

Conversions

Conversions Part 1

Format	Color
Hex	2AA8D7
RGB	42, 168, 215
RGB Percent	16%, 66%, 84%
CMY	0.8353, 0.3400, 0.1569
CMYK	0.80, 0.22, 0.00, 0.16
HSL	196°, 68%, 50%
HSV	196°, 80%, 84%
XYZ	27.2768, 33.5110, 69.3206
YIQ	135.6840, -90.1830, -12.0950

Conversions

Conversions Part 2

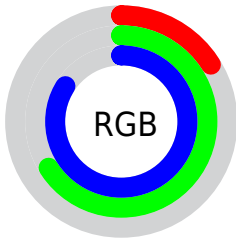
Format	Color
R _Y B	42, 115, 215
Decimal	2795735
CIE Lab	64.57, -17.49, -33.14
CIE LCh	65, 37.469, 242.171
Yxy	33.5110, 0.2096, 0.2576
Android (android.graphics.Color)	4280985815 (0xFF2AA8D7)
YUV	135.6840, 39.1028, -82.1609
Hunter-Lab	57.8887, -17.1970, -30.4766

Details

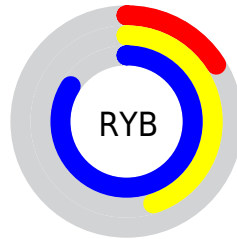
The RYB color **42, 115, 215** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **215, 107, 42**, and the grayscale version is **136, 136, 136**.

A 20% lighter version of the original color is **116, 176, 255**, and **0, 67, 160** is the 20% darker color. If you saturate the color by 10%, you get **20, 102, 215**, and if you desaturate by 10%, it is **63, 127, 215**.

Distribution



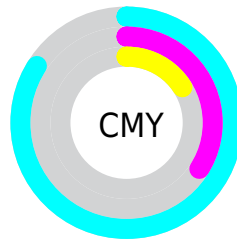
- Red (16%)
- Green (66%)
- Blue (84%)



- Red (16%)
- Yellow (45%)
- Blue (84%)



- Cyan (80%)
- Magenta (22%)
- Yellow (0%)
- Black (16%)




















- Cyan (84%)
- Magenta (34%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 42, 115, 215 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, 115, 215 by changing the saturation by 10% instead.

 42, 115, 215	 42, 115, 215
 255, 255, 255	 0, 81, 187
 116, 177, 255	 0, 67, 160
 147, 200, 255	 0, 55, 134
 178, 217, 255	 0, 42, 108
 209, 232, 255	 0, 30, 84
 239, 247, 255	 0, 19, 60
	 0, 3, 38
	 0, 1, 15
	 0, 0, 0

■ 42, 115, 215

■ 42, 115, 215

■ 20, 102, 215

■ 63, 127, 215

■ 0, 91, 215

■ 85, 140, 215

■ 106, 152, 215

■ 128, 165, 215

■ 149, 177, 215

■ 171, 190, 215

■ 193, 202, 215

■ 214, 215, 215

■ 236, 223, 215

Harmonies

Analogous

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



0, 91, 191



42, 115, 215



111, 145, 223

Triad

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



42, 115, 215



219, 130, 155



99, 165, 123

Complementary

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



42, 115, 215



215, 107, 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.



117, 176, 89



42, 115, 215



220, 135, 123

Square

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



42, 115, 215



201, 136, 188



204, 179, 98



100, 154, 172

Rectangle

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



42, 115, 215



147, 151, 218



204, 179, 98



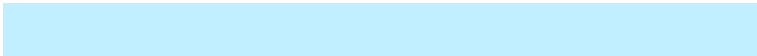
93, 162, 102

Sweetspot

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



42, 115, 215



194, 220, 255



42, 179, 215



91, 107, 128



0, 0, 0



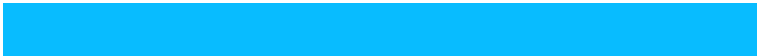
128, 128, 128

Same Dimension

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



42, 115, 215



8, 112, 255



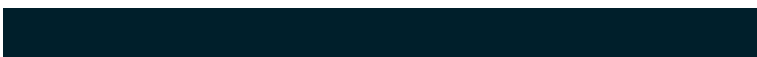
42, 74, 215



96, 101, 107



0, 72, 171



0, 18, 43

Inverse Universe

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



215, 42, 168



255, 8, 188



94, 215, 42



107, 96, 104



171, 0, 125



43, 0, 32

Previews

White Background



This preview shows how the RYB color 42, 115, 215 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 42, 115, 215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

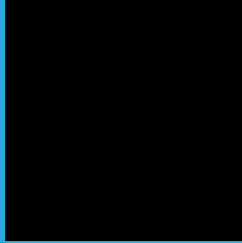
Any Text WCAG AA ✓ Pass

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 42, 115, 215 Background



This preview shows how black text looks on a background with the RYB color 42, 115, 215.

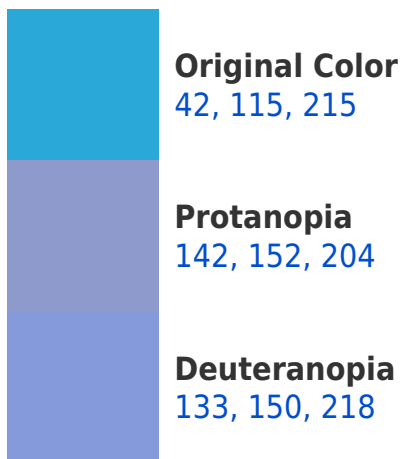


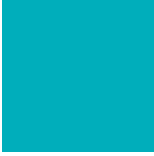
This preview shows how white text looks on a background with the RYB color 42, 115, 215.

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, 90, 187

Trichromacy



Original Color
42, 115, 215



Protanomaly
106, 141, 208



Deuteranomaly
100, 139, 217



Tritanomaly
15, 99, 197

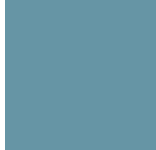
Monochromacy



Original Color
42, 115, 215



Achromatopsia
136, 136, 136



Achromatomaly
102, 129, 165

CSS Examples

Text

The CSS property to change the color of the text to RYB 42, 115, 215 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, 168, 215)` looks like.

```
.text, #text, p{  
    color:rgb(42, 168, 215)  
}
```

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, 168, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 168, 215) }
```

Border

The CSS property to change the border of an element to RYB 42, 115, 215 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, 168, 215) }
```

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

```
.border{ border-color:rgb(42, 168, 215) }
```

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

Here you see how a box with a 4 pixel rgb(42, 168, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 168, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 168, 215);  
box-shadow:4px 4px 4px 4px rgb(42, 168,  
215) }
```

Background

The CSS property to change the background color of an element to RYB 42, 115, 215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 168, 215) }
```

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

```
.background{ background-color: rgb(42, 168,  
215) }
```

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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