

Converting Colors

`RYB(49, 113, 215)`

Have a look what the booklet for
RYB(49, 113, 215) contains.

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Color

R_YB(49, 113, 215)

Conversions

Conversions Part 1

Format	Color
Hex	3199D7
RGB	49, 153, 215
RGB Percent	19%, 60%, 84%
CMY	0.8078, 0.3994, 0.1569
CMYK	0.77, 0.29, 0.00, 0.16
HSL	202°, 67%, 52%
HSV	202°, 77%, 84%
XYZ	24.9493, 28.3931, 68.4554
YIQ	128.9720, -81.8860, -2.7660

Conversions

Conversions Part 2

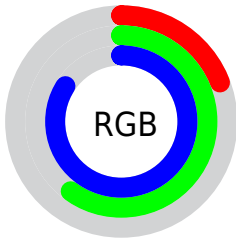
Format	Color
R_{YB}	49, 113, 215
Decimal	3250647
CIE _{Lab}	60.24, -8.49, -39.88
CIE _{LCh}	60, 40.776, 257.985
Yxy	28.3931, 0.2048, 0.2331
Android (android.graphics.Color)	4281440727 (0xFF3199D7)
YUV	128.9720, 42.4118, -70.1354
Hunter-Lab	53.2852, -9.6715, -38.8702

Details

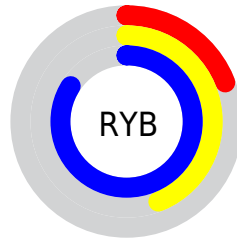
The RYB color **49, 113, 215** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **215, 148, 49**, and the grayscale version is **129, 129, 129**.

A 20% lighter version of the original color is **119, 172, 255**, and **0, 62, 160** is the 20% darker color. If you saturate the color by 10%, you get **28, 100, 215**, and if you desaturate by 10%, it is **71, 126, 215**.

Distribution



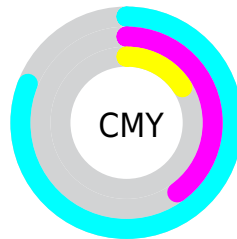
- Red (19%)
- Green (60%)
- Blue (84%)



- Red (19%)
- Yellow (44%)
- Blue (84%)



- Cyan (77%)
- Magenta (29%)
- Yellow (0%)
- Black (16%)




















- Cyan (81%)
- Magenta (40%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 49, 113, 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 49, 113, 215 by changing the saturation by 10% instead.

 49, 113, 215	 49, 113, 215
 255, 255, 255	 0, 76, 187
 119, 172, 255	 0, 62, 160
 150, 197, 255	 0, 50, 133
 180, 218, 255	 0, 37, 108
 210, 233, 255	 0, 25, 83
 241, 248, 255	 0, 6, 60
	 0, 2, 37
	 0, 1, 14
	 0, 0, 0

■ 49, 113, 215

■ 49, 113, 215

■ 28, 100, 215

■ 71, 126, 215

■ 6, 87, 215

■ 92, 139, 215

■ 0, 83, 215

■ 114, 153, 215

■ 135, 166, 215

■ 157, 179, 215

■ 178, 192, 215

■ 200, 206, 215

■ 221, 218, 215

■ 243, 231, 215

Harmonies

Analogous

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



0, 89, 198



49, 113, 215



126, 139, 213

Triad

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



49, 113, 215



214, 117, 125



96, 158, 149

Complementary

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



49, 113, 215



215, 148, 49

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.



75, 150, 79



49, 113, 215



204, 138, 93

Square

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



49, 113, 215



205, 117, 161



144, 180, 74



49, 116, 163

Rectangle

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



49, 113, 215



161, 132, 202



144, 180, 74



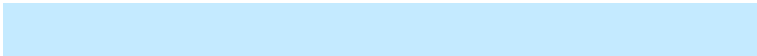
87, 156, 123

Sweetspot

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



49, 113, 215



196, 219, 255



49, 170, 215



92, 106, 128



0, 0, 0



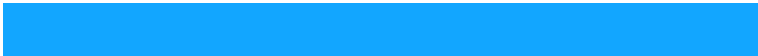
128, 128, 128

Same Dimension

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



49, 113, 215



18, 109, 255



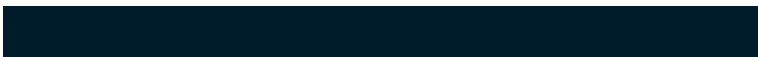
49, 68, 215



96, 100, 107



0, 66, 171



0, 17, 43

Inverse Universe

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



215, 49, 153



255, 18, 167



74, 215, 49



107, 96, 103



171, 0, 107



43, 0, 27

Previews

White Background



This preview shows how the RYB color 49, 113, 215 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 49, 113, 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

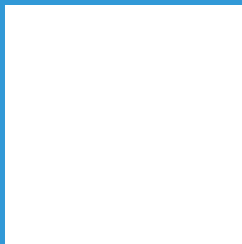
Any Text WCAG AAA × Fail

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

RYB 49, 113, 215 Background



This preview shows how black text looks on a background with the RYB color 49, 113, 215.

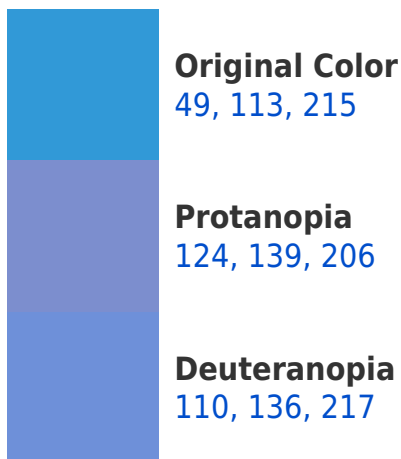


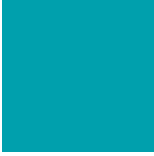
This preview shows how white text looks on a background with the RYB color 49, 113, 215.

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, 83, 173

Trichromacy



Original Color
49, 113, 215

Protanomaly
97, 131, 209

Deuteranomaly
88, 128, 216

Tritanomaly
18, 95, 188

Monochromacy



Original Color
49, 113, 215

Achromatopsia
129, 129, 129

Achromatomaly
100, 123, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 49, 113, 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(49, 153, 215)` looks like.

```
.text, #text, p{  
    color:rgb(49, 153, 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(49, 153, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 153, 215) }
```

Border

The CSS property to change the border of an element to RYB 49, 113, 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(49, 153, 215) }
```

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

```
.border{ border-color:rgb(49, 153, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 153, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 153, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 153, 215);  
box-shadow:4px 4px 4px 4px rgb(49, 153,  
215) }
```

Background

The CSS property to change the background color of an element to RYB 49, 113, 215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 153, 215) }
```

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

```
.background{ background-color: rgb(49, 153,  
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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