

Converting Colors

`RYB(24, 110, 237)`

Have a look what the booklet for
RYB(24, 110, 237) contains.

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Color

`RYB(24, 110, 237)`

Conversions

Conversions Part 1

Format	Color
Hex	18A8ED
RGB	24, 168, 237
RGB Percent	9%, 66%, 93%
CMY	0.9059, 0.3403, 0.0706
CMYK	0.90, 0.29, 0.00, 0.07
HSL	199°, 86%, 51%
HSV	199°, 90%, 93%
XYZ	29.7090, 34.4012, 85.1950
YIQ	132.8100, -107.9730, -9.0690

Conversions

Conversions Part 2

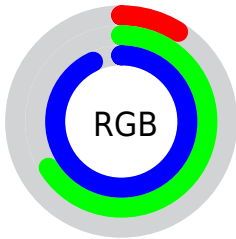
Format	Color
RYB	24, 110, 237
Decimal	1616109
CIELab	65.28, -11.02, -44.16
CIElCh	65, 45.511, 255.993
Yxy	34.4012, 0.1990, 0.2304
Android (android.graphics.Color)	4279806189 (0xFF18A8ED)
YUV	132.8100, 51.3657, -95.4264
Hunter-Lab	58.6525, -12.2270, -45.0642

Details

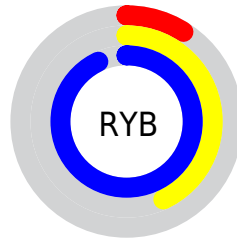
The RYB color **24, 110, 237** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **237, 126, 24**, and the grayscale version is **133, 133, 133**.

A 20% lighter version of the original color is **113, 175, 255**, and **0, 71, 181** is the 20% darker color. If you saturate the color by 10%, you get **0, 96, 237**, and if you desaturate by 10%, it is **48, 124, 237**.

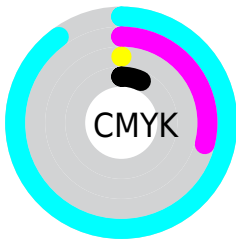
Distribution



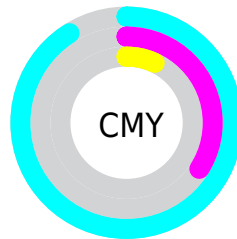
- Red (9%)
- Green (66%)
- Blue (93%)



- Red (9%)
- Yellow (43%)
- Blue (93%)



- Cyan (90%)
- Magenta (29%)
- Yellow (0%)
- Black (7%)




















- Cyan (91%)
- Magenta (34%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 24, 110, 237 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 24, 110, 237 by changing the saturation by 10% instead.

 24, 110, 237	 24, 110, 237
 255, 255, 255	 0, 85, 209
 113, 175, 255	 0, 71, 181
 146, 200, 255	 0, 58, 154
 178, 217, 255	 0, 45, 127
 209, 232, 255	 0, 32, 102
 240, 248, 255	 0, 20, 77
	 0, 5, 54
	 0, 2, 32
	 0, 0, 4

■ 24, 110, 237

■ 24, 110, 237

■ 0, 96, 237

■ 48, 124, 237

■ 0, 96, 237

■ 71, 138, 237

■ 95, 152, 237

■ 119, 167, 237

■ 142, 180, 237

■ 166, 195, 237

■ 190, 209, 237

■ 214, 223, 237

■ 237, 237, 237

Harmonies

Analogous

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



0, 97, 216



24, 110, 237



131, 151, 237

Triad

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



24, 110, 237



236, 125, 138



100, 173, 157

Complementary

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



24, 110, 237



237, 126, 24

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.



77, 163, 78



24, 110, 237



226, 147, 102

Square

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



24, 110, 237



225, 127, 179



163, 199, 78



50, 126, 178

Rectangle

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



24, 110, 237



173, 145, 225



163, 199, 78



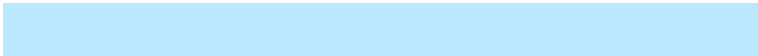
90, 170, 128

Sweetspot

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



24, 110, 237



186, 214, 255



24, 186, 237



87, 103, 128



0, 0, 0



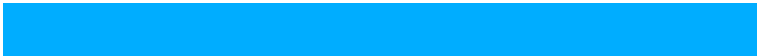
128, 128, 128

Same Dimension

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



24, 110, 237



0, 103, 255



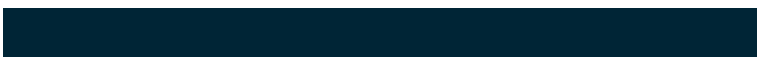
24, 57, 237



106, 111, 117



0, 73, 181



0, 22, 54

Inverse Universe

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



237, 24, 168



255, 0, 173



72, 237, 24



117, 106, 114



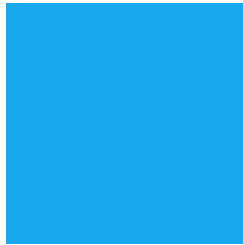
181, 0, 123



54, 0, 36

Previews

White Background



This preview shows how the RYB color 24, 110, 237 looks on a white background.

Color Contrast Check

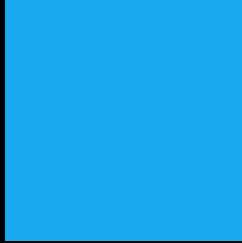
Large Text (above 18pt) WCAG AA × Fail

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 24, 110, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

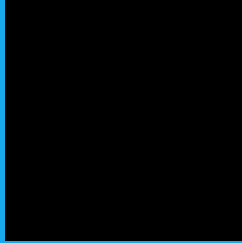
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

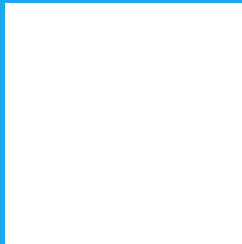
Any Text WCAG AAA ✓ Pass

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

RYB 24, 110, 237 Background



This preview shows how black text looks on a background with the RYB color 24, 110, 237.

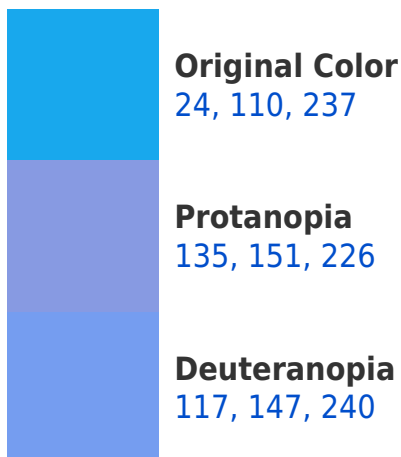


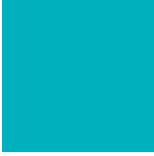
This preview shows how white text looks on a background with the RYB color 24, 110, 237.

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](#).

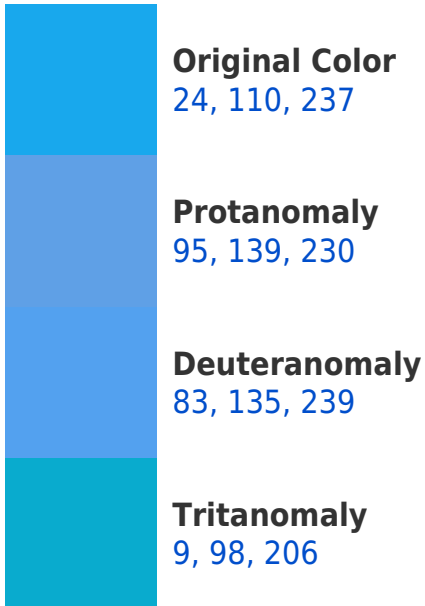
Dichromacy



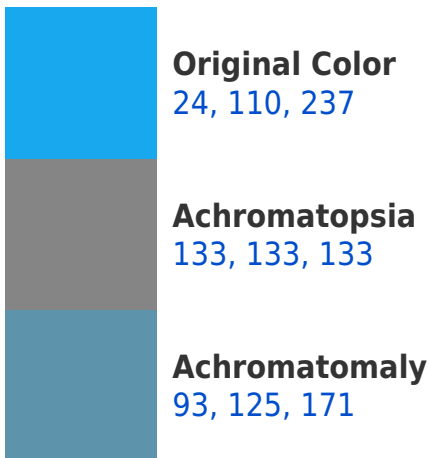


Tritanopia
0, 91, 188

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 24, 110, 237 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(24, 168, 237)` looks like.

```
.text, #text, p{  
    color:rgb(24, 168, 237)  
}
```

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(24, 168, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 168, 237) }
```

Border

The CSS property to change the border of an element to RYB 24, 110, 237 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(24, 168, 237) }
```

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

```
.border{ border-color:rgb(24, 168, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 168, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 168, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 168, 237);  
box-shadow:4px 4px 4px 4px rgb(24, 168,  
237) }
```

Background

The CSS property to change the background color of an element to RGB 24, 168, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 168, 237) }
```

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

```
.background{ background-color: rgb(24, 168,  
237) }
```

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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