

Converting Colors

`RYB(24, 127, 249)`

Have a look what the booklet for RYB(24, 127, 249) contains.

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Color

RYB(24, 127, 249)

Conversions

Conversions Part 1

Format	Color
Hex	18D6F9
RGB	24, 214, 249
RGB Percent	9%, 84%, 98%
CMY	0.9059, 0.1609, 0.0235
CMYK	0.90, 0.14, 0.00, 0.02
HSL	189°, 95%, 54%
HSV	189°, 90%, 98%
XYZ	41.5118, 55.1061, 98.0712
YIQ	161.1800, -124.4750, -29.3950

Conversions

Conversions Part 2

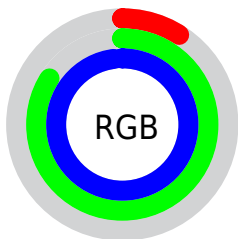
Format	Color
R _Y B	24, 127, 249
Decimal	1627897
CIE Lab	79.10, -30.57, -29.18
CIE LCh	79, 42.258, 223.668
Yxy	55.1061, 0.2132, 0.2830
Android (android.graphics.Color)	4279817977 (0xFF18D6F9)
YUV	161.1800, 43.2953, -120.3069
Hunter-Lab	74.2335, -30.0905, -26.3656

Details

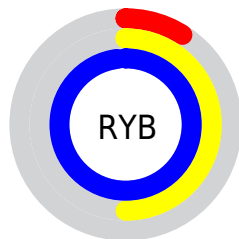
The RYB color **24, 127, 249** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **249, 65, 24**, and the grayscale version is **161, 161, 161**.

A 20% lighter version of the original color is **119, 187, 255**, and **0, 87, 192** is the 20% darker color. If you saturate the color by 10%, you get **0, 114, 249**, and if you desaturate by 10%, it is **49, 141, 249**.

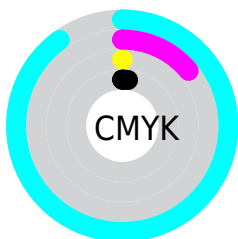
Distribution



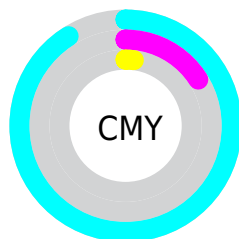
- Red (9%)
- Green (84%)
- Blue (98%)



- Red (9%)
- Yellow (50%)
- Blue (98%)



- Cyan (90%)
- Magenta (14%)
- Yellow (0%)
- Black (2%)




















- Cyan (91%)
- Magenta (16%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 24, 127, 249 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, 127, 249 by changing the saturation by 10% instead.

 24, 127, 249	 24, 127, 249
 255, 255, 255	 0, 101, 220
 119, 187, 255	 0, 87, 192
 153, 204, 255	 0, 73, 165
 186, 221, 255	 0, 60, 139
 218, 237, 255	 0, 48, 113
 250, 253, 255	 0, 35, 89
	 0, 24, 65
	 0, 3, 43
	 0, 1, 21

■ 24, 127, 249

■ 24, 127, 249

■ 0, 114, 249

■ 49, 141, 249

■ 74, 154, 249

■ 99, 168, 249

■ 124, 181, 249

■ 148, 194, 249

■ 173, 208, 249

■ 198, 221, 249

■ 223, 235, 249

■ 248, 249, 249

Harmonies

Analogous

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



50, 135, 217



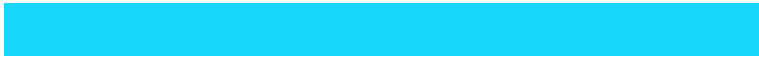
24, 127, 249



100, 163, 255

Triad

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



24, 127, 249



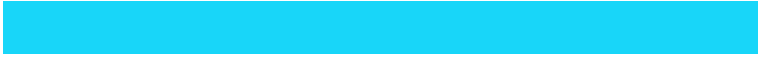
255, 168, 219



123, 204, 118

Complementary

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



24, 127, 249



249, 65, 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.



220, 240, 121



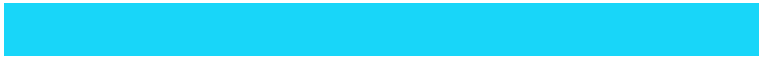
24, 127, 249



255, 165, 179

Square

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



24, 127, 249



223, 179, 253



255, 184, 143



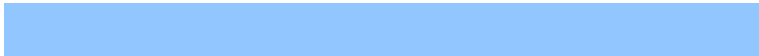
138, 209, 187

Rectangle

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



24, 127, 249



146, 181, 255



255, 184, 143



144, 217, 116

Sweetspot

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



24, 127, 249



186, 218, 255



24, 219, 249



87, 106, 128



0, 0, 0



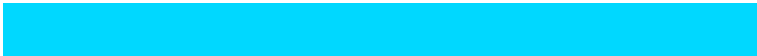
128, 128, 128

Same Dimension

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



24, 127, 249



0, 117, 255



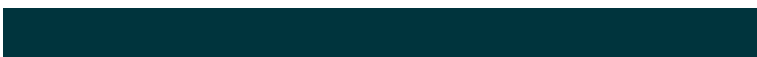
24, 82, 249



112, 118, 125



0, 86, 189



0, 28, 61

Inverse Universe

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



249, 24, 214



255, 0, 215



146, 249, 24



125, 112, 123



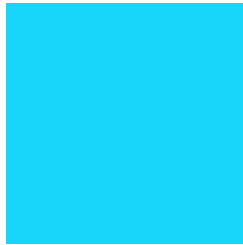
189, 0, 159



61, 0, 52

Previews

White Background



This preview shows how the RYB color 24, 127, 249 looks on a white background.

Color Contrast Check

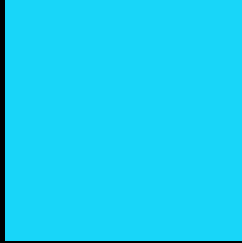
Large Text (above 18pt) WCAG AA × Fail

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, 127, 249 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, 127, 249 Background



This preview shows how black text looks on a background with the RYB color 24, 127, 249.

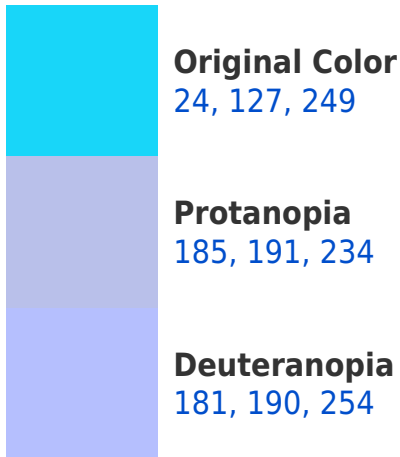


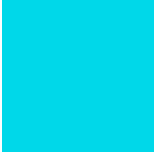
This preview shows how white text looks on a background with the RYB color 24, 127, 249.

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, 112, 233

Trichromacy



Original Color

24, 127, 249



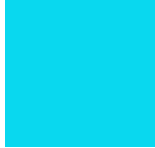
Protanomaly

126, 171, 239



Deuteranomaly

124, 171, 252



Tritanomaly

9, 118, 239

Monochromacy



Original Color

24, 127, 249



Achromatopsia

161, 161, 161



Achromatomaly

111, 148, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 24, 127, 249 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, 214, 249)` looks like.

```
.text, #text, p{  
    color:rgb(24, 214, 249)  
}
```

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, 214, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 214, 249) }
```

Border

The CSS property to change the border of an element to RYB 24, 127, 249 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, 214, 249) }
```

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

```
.border{ border-color:rgb(24, 214, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 214, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 214, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 214, 249);  
box-shadow:4px 4px 4px 4px rgb(24, 214,  
249) }
```

Background

The CSS property to change the background color of an element to RGB 24, 127, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 214, 249) }
```

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

```
.background{ background-color: rgb(24, 214,  
249) }
```

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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