

Converting Colors

`RYB(16, 124, 237)`

Have a look what the booklet for RYB(16, 124, 237) contains.

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Color

`RYB(16, 124, 237)`

Conversions

Conversions Part 1

Format	Color
Hex	10E3ED
RGB	16, 227, 237
RGB Percent	6%, 89%, 93%
CMY	0.9373, 0.1089, 0.0706
CMYK	0.93, 0.04, 0.00, 0.07
HSL	183°, 87%, 50%
HSV	183°, 93%, 93%
XYZ	43.0294, 61.2839, 89.6818
YIQ	165.0510, -128.9660, -41.6220

Conversions

Conversions Part 2

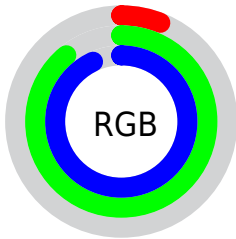
Format	Color
RYB	16, 124, 237
Decimal	1106925
CIELab	82.53, -40.78, -17.59
CIELCh	83, 44.413, 203.338
Yxy	61.2839, 0.2218, 0.3159
Android (android.graphics.Color)	4279297005 (0xFF10E3ED)
YUV	165.0510, 35.4709, -130.7177
Hunter-Lab	78.2840, -38.8832, -13.1236

Details

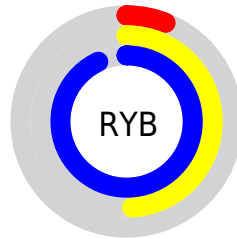
The RYB color **16, 124, 237** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **237, 26, 16**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **117, 186, 255**, and **0, 88, 181** is the 20% darker color. If you saturate the color by 10%, you get **0, 116, 237**, and if you desaturate by 10%, it is **40, 136, 237**.

Distribution



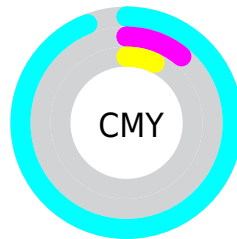
- Red (6%)
- Green (89%)
- Blue (93%)



- Red (6%)
- Yellow (49%)
- Blue (93%)



- Cyan (93%)
- Magenta (4%)
- Yellow (0%)
- Black (7%)




















- Cyan (94%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 16, 124, 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 16, 124, 237 by changing the saturation by 10% instead.

 16, 124, 237	 16, 124, 237
 255, 255, 255	 0, 102, 209
 117, 186, 255	 0, 88, 181
 151, 203, 255	 0, 74, 154
 184, 220, 255	 0, 61, 128
 216, 236, 255	 0, 49, 103
 248, 252, 255	 0, 37, 79
	 0, 25, 56
	 0, 12, 35
	 0, 0, 11

■ 16, 124, 237

■ 16, 124, 237

■ 0, 116, 237

■ 40, 136, 237

■ 63, 148, 237

■ 87, 160, 237

■ 111, 172, 237

■ 134, 184, 237

■ 158, 197, 237

■ 182, 209, 237

■ 206, 221, 237

■ 229, 233, 237

Harmonies

Analogous

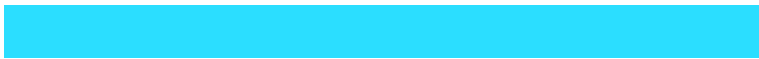
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94, 170, 227



16, 124, 237



43, 140, 255

Triad

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



16, 124, 237



249, 183, 255



185, 241, 122

Complementary

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



16, 124, 237



237, 26, 16

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.



255, 214, 140



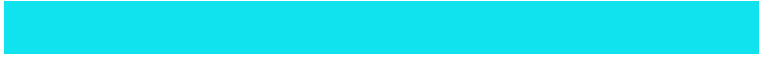
16, 124, 237



255, 174, 216

Square

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



16, 124, 237



197, 198, 255



255, 175, 174



127, 213, 140

Rectangle

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



16, 124, 237



101, 167, 255



255, 175, 174



233, 253, 126

Sweetspot

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



16, 124, 237



184, 219, 255



16, 230, 237



84, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



16, 124, 237



0, 125, 255



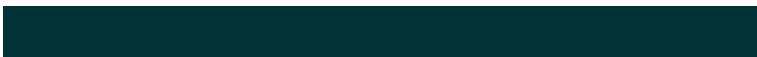
16, 86, 237



106, 112, 117



0, 88, 181



0, 26, 54

Inverse Universe

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



237, 16, 227



255, 0, 244



209, 237, 16



117, 106, 117



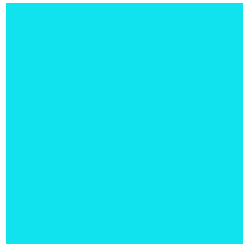
181, 0, 173



54, 0, 51

Previews

White Background



This preview shows how the RYB color 16, 124, 237 looks on a white background.

Color Contrast Check

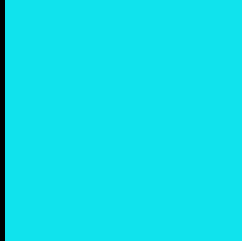
Large Text (above 18pt) WCAG AA × Fail

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 16, 124, 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

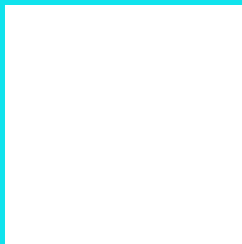
Any Text WCAG AAA ✓ Pass

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

RYB 16, 124, 237 Background



This preview shows how black text looks on a background with the RYB color 16, 124, 237.

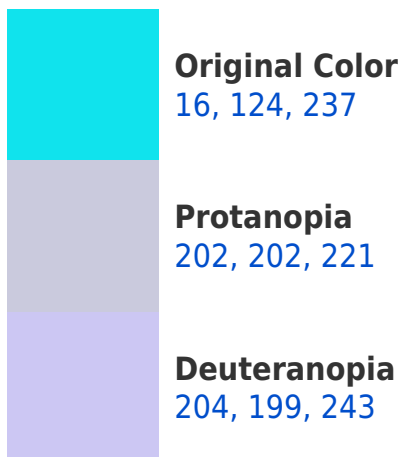


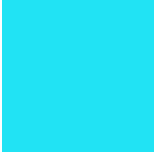
This preview shows how white text looks on a background with the RYB color 16, 124, 237.

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



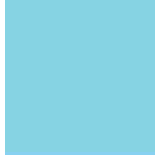


Tritanopia
33, 134, 244

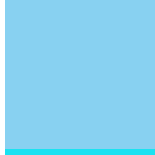
Trichromacy



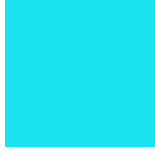
Original Color
16, 124, 237



Protanomaly
134, 176, 227



Deuteranomaly
136, 179, 241



Tritanomaly
27, 130, 241

Monochromacy



Original Color
16, 124, 237



Achromatopsia
165, 165, 165



Achromatomaly
111, 150, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 16, 124, 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(16, 227, 237)` looks like.

```
.text, #text, p{  
    color:rgb(16, 227, 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(16, 227, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 227, 237) }
```

Border

The CSS property to change the border of an element to RYB 16, 124, 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(16, 227, 237) }
```

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

```
.border{ border-color:rgb(16, 227, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 227, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 227, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 227, 237);  
box-shadow:4px 4px 4px 4px rgb(16, 227,  
237) }
```

Background

The CSS property to change the background color of an element to RGB 16, 124, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 227, 237) }
```

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

```
.background{ background-color: rgb(16, 227,  
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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