

Converting Colors

`RYB(24, 109, 185)`

Have a look what the booklet for
RYB(24, 109, 185) contains.

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Color

$\text{RYB}(24, 109, 185)$

Conversions

Conversions Part 1

Format	Color
Hex	18B9A8
RGB	24, 185, 168
RGB Percent	9%, 73%, 66%
CMY	0.9059, 0.2745, 0.3414
CMYK	0.87, 0.00, 0.09, 0.27
HSL	174°, 77%, 41%
HSV	174°, 87%, 73%
XYZ	24.7891, 37.7175, 42.9965
YIQ	134.9230, -90.4990, -39.4190

Conversions

Conversions Part 2

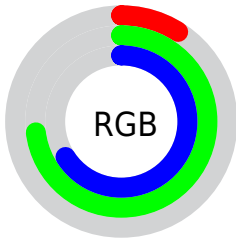
Format	Color
RYB	24, 109, 185
Decimal	1620392
CIELab	67.81, -41.80, -2.23
CIELCh	68, 41.861, 183.050
Yxy	37.7175, 0.2350, 0.3575
Android (android.graphics.Color)	4279810472 (0xFF18B9A8)
YUV	134.9230, 16.3070, -97.2795
Hunter-Lab	61.4146, -35.4265, 1.4811

Details

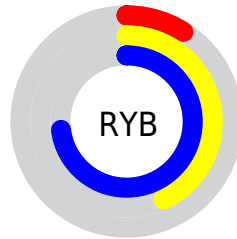
The RYB color **24, 109, 185** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **185, 24, 41**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **104, 178, 242**, and **0, 69, 131** is the 20% darker color. If you saturate the color by 10%, you get **5, 100, 185**, and if you desaturate by 10%, it is **43, 118, 185**.

Distribution



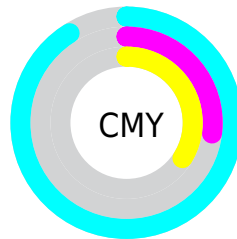
- Red (9%)
- Green (73%)
- Blue (66%)



- Red (9%)
- Yellow (43%)
- Blue (73%)



- Cyan (87%)
- Magenta (0%)
- Yellow (9%)
- Black (27%)






















- Cyan (91%)
- Magenta (27%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 24, 109, 185 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, 109, 185 by changing the saturation by 10% instead.

 24, 109, 185	 24, 109, 185
 255, 255, 255	 0, 83, 158
 104, 178, 242	 0, 69, 131
 136, 196, 255	 0, 56, 105
 166, 211, 255	 0, 43, 80
 197, 226, 255	 0, 31, 56
 227, 241, 255	 0, 20, 35
	 0, 0, 0

 24, 109, 185	 24, 109, 185
 5, 100, 185	 43, 118, 185

■ 0, 98, 185

■ 61, 126, 185

■ 79, 135, 185

■ 98, 144, 185

■ 117, 153, 185

■ 135, 161, 185

■ 154, 170, 185

■ 172, 179, 185

■ 190, 185, 186

Harmonies

Analogous

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



99, 159, 182



24, 109, 185



0, 97, 205

Triad

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



24, 109, 185



174, 154, 229



217, 192, 99

Complementary

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



24, 109, 185



185, 24, 41

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.



235, 141, 126



24, 109, 185



216, 141, 200

Square

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



24, 109, 185



113, 151, 240



236, 135, 163



115, 185, 88

Rectangle

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



24, 109, 185



0, 100, 225



236, 135, 163



224, 169, 106

Sweetspot

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



24, 109, 185



177, 210, 240



24, 185, 166



83, 103, 120



247, 247, 247



120, 120, 120

Same Dimension

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



24, 109, 185



0, 127, 240



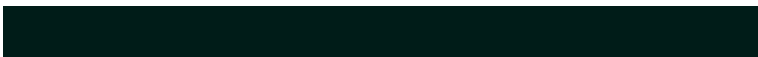
24, 85, 185



83, 88, 92



0, 82, 156



0, 15, 28

Inverse Universe

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



185, 24, 41



240, 0, 25



185, 125, 24



92, 83, 84



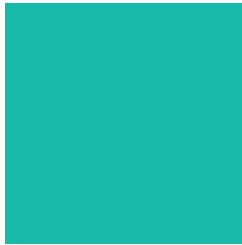
156, 0, 16



28, 0, 3

Previews

White Background



This preview shows how the RYB color 24, 109, 185 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, 109, 185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

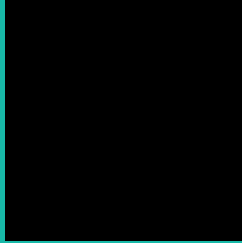
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

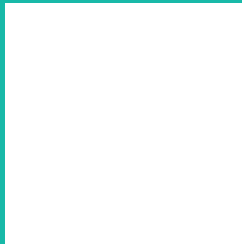
Any Text WCAG AAA ✓ Pass

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

RYB 24, 109, 185 Background



This preview shows how black text looks on a background with the RYB color 24, 109, 185.

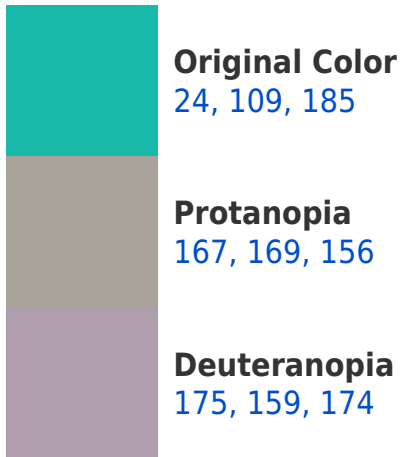


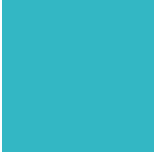
This preview shows how white text looks on a background with the RYB color 24, 109, 185.

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
51, 120, 196

Trichromacy



Original Color

24, 109, 185



Protanomaly

116, 147, 171



Deuteranomaly

120, 145, 172



Tritanomaly

41, 112, 186

Monochromacy



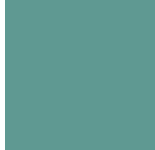
Original Color

24, 109, 185



Achromatopsia

135, 135, 135



Achromatomaly

95, 126, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 24, 109, 185 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, 185, 168)` looks like.

```
.text, #text, p{  
    color:rgb(24, 185, 168)  
}
```

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, 185, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 185, 168) }
```

Border

The CSS property to change the border of an element to RYB 24, 109, 185 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, 185, 168) }
```

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

```
.border{ border-color:rgb(24, 185, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 185, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 185, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 185, 168);  
box-shadow:4px 4px 4px 4px rgb(24, 185,  
168) }
```

Background

The CSS property to change the background color of an element to RGB 24, 109, 185 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 185, 168) }
```

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

```
.background{ background-color: rgb(24, 185,  
168) }
```

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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