

Converting Colors

`RYB(32, 123, 199)`

Have a look what the booklet for
RYB(32, 123, 199) contains.

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Color

R_YB(32, 123, 199)

Conversions

Conversions Part 1

Format	Color
Hex	20C7AB
RGB	32, 199, 171
RGB Percent	13%, 78%, 67%
CMY	0.8745, 0.2196, 0.3276
CMYK	0.84, 0.00, 0.14, 0.22
HSL	170°, 72%, 45%
HSV	170°, 84%, 78%
XYZ	28.4149, 44.1123, 45.7815
YIQ	145.8750, -90.5440, -44.1120

Conversions

Conversions Part 2

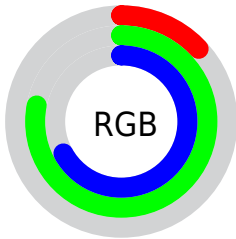
Format	Color
R _Y B	32, 123, 199
Decimal	2148267
CIE Lab	72.30, -46.29, 2.41
CIE LCh	72, 46.353, 177.014
Yxy	44.1123, 0.2402, 0.3729
Android (android.graphics.Color)	4280338347 (0xFF20C7AB)
YUV	145.8750, 12.3866, -99.8684
Hunter-Lab	66.4171, -39.8630, 5.6231

Details

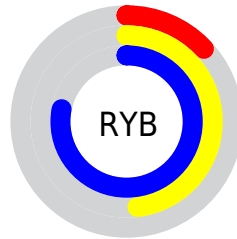
The RYB color **32, 123, 199** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **199, 32, 60**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **110, 191, 255**, and **0, 79, 144** is the 20% darker color. If you saturate the color by 10%, you get **12, 114, 199**, and if you desaturate by 10%, it is **52, 132, 199**.

Distribution



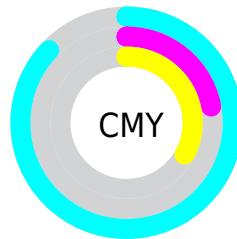
- Red (13%)
- Green (78%)
- Blue (67%)



- Red (13%)
- Yellow (48%)
- Blue (78%)



- Cyan (84%)
- Magenta (0%)
- Yellow (14%)
- Black (22%)





















- Cyan (87%)
- Magenta (22%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 32, 123, 199 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 32, 123, 199 by changing the saturation by 10% instead.

 32, 123, 199	 32, 123, 199
 255, 255, 255	 0, 93, 171
 110, 190, 255	 0, 79, 144
 142, 199, 255	 0, 65, 118
 173, 214, 255	 0, 52, 92
 203, 229, 255	 0, 39, 67
 234, 245, 255	 0, 28, 45
	 0, 13, 15
	 0, 0, 0
 32, 123, 199	 32, 123, 199

■ 12, 114, 199

■ 52, 132, 199

■ 0, 108, 199

■ 72, 141, 199

■ 92, 150, 199

■ 112, 159, 199

■ 132, 168, 199

■ 151, 177, 199

■ 171, 186, 199

■ 191, 195, 199

■ 211, 199, 201

Harmonies

Analogous

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



113, 181, 195



32, 123, 199



0, 103, 214

Triad

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



32, 123, 199



175, 168, 253



240, 190, 107

Complementary

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



32, 123, 199



199, 32, 60

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, 146, 141



32, 123, 199



226, 152, 224

Square

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



32, 123, 199



99, 154, 255



254, 143, 183



139, 207, 91

Rectangle

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



32, 123, 199



0, 107, 238



254, 143, 183



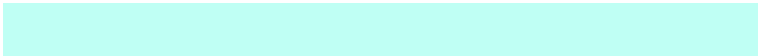
248, 167, 117

Sweetspot

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



32, 123, 199



191, 226, 255



32, 199, 171



89, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



32, 123, 199



0, 139, 255



32, 99, 199



90, 95, 99



0, 89, 163



0, 20, 36

Inverse Universe

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



199, 32, 60



255, 0, 42



199, 116, 32



99, 90, 91



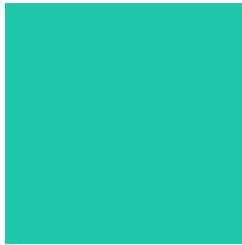
163, 0, 27



36, 0, 6

Previews

White Background



This preview shows how the RYB color 32, 123, 199 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 32, 123, 199 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

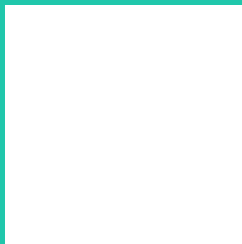
Any Text WCAG AAA ✓ Pass

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

RGB 32, 123, 199 Background



This preview shows how black text looks on a background with the RGB color 32, 123, 199.

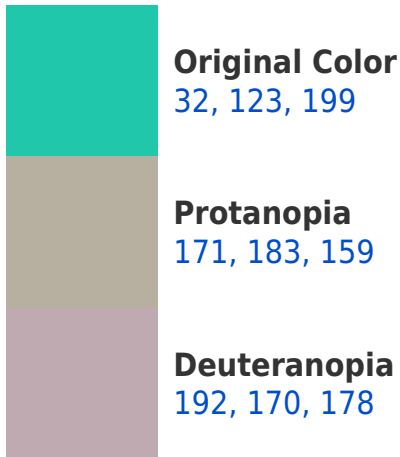


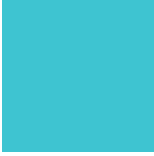
This preview shows how white text looks on a background with the RGB color 32, 123, 199.

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](#).

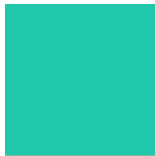
Dichromacy





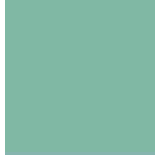
Tritanopia
62, 132, 209

Trichromacy



Original Color

32, 123, 199



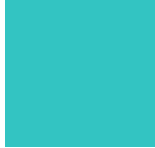
Protanomaly

128, 162, 184



Deuteranomaly

134, 159, 181



Tritanomaly

51, 124, 196

Monochromacy



Original Color

32, 123, 199



Achromatopsia

146, 146, 146



Achromatomaly

105, 138, 165

CSS Examples

Text

The CSS property to change the color of the text to RYB 32, 123, 199 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(32, 199, 171)` looks like.

```
.text, #text, p{  
    color:rgb(32, 199, 171)  
}
```

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(32, 199, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 199, 171) }
```

Border

The CSS property to change the border of an element to RYB 32, 123, 199 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(32, 199, 171) }
```

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

```
.border{ border-color:rgb(32, 199, 171) }
```

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

Here you see how a box with a 4 pixel rgb(32, 199, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 199, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 199, 171);  
box-shadow:4px 4px 4px 4px rgb(32, 199,  
171) }
```

Background

The CSS property to change the background color of an element to RGB 32, 123, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 199, 171) }
```

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

```
.background{ background-color: rgb(32, 199,  
171) }
```

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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