

Converting Colors

`RYB(40, 120, 199)`

Have a look what the booklet for
RYB(40, 120, 199) contains.

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Color

$\text{RYB}(40, 120, 199)$

Conversions

Conversions Part 1

Format	Color
Hex	28C7C5
RGB	40, 199, 197
RGB Percent	16%, 78%, 77%
CMY	0.8431, 0.2196, 0.2274
CMYK	0.80, 0.00, 0.01, 0.22
HSL	179°, 67%, 47%
HSV	179°, 80%, 78%
XYZ	31.3780, 45.3298, 59.9266
YIQ	151.2310, -94.1220, -34.3300

Conversions

Conversions Part 2

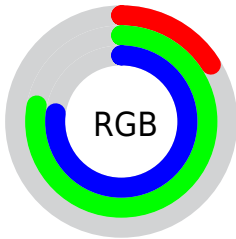
Format	Color
RYB	40, 120, 199
Decimal	2672581
CIELab	73.11, -38.52, -10.27
CIELCh	73, 39.866, 194.923
Yxy	45.3298, 0.2296, 0.3318
Android (android.graphics.Color)	4280862661 (0xFF28C7C5)
YUV	151.2310, 22.5641, -97.5496
Hunter-Lab	67.3274, -34.6329, -5.6435

Details

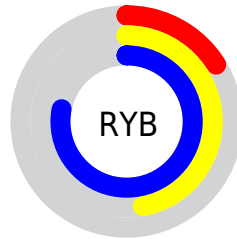
The RYB color **40, 120, 199** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **199, 40, 42**, and the grayscale version is **151, 151, 151**.

A 20% lighter version of the original color is **116, 186, 255**, and **0, 72, 144** is the 20% darker color. If you saturate the color by 10%, you get **20, 110, 199**, and if you desaturate by 10%, it is **60, 130, 199**.

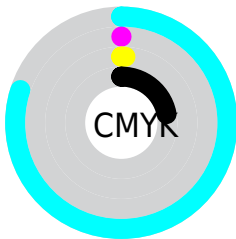
Distribution



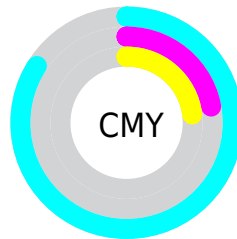
- Red (16%)
- Green (78%)
- Blue (77%)



- Red (16%)
- Yellow (47%)
- Blue (78%)



- Cyan (80%)
- Magenta (0%)
- Yellow (1%)
- Black (22%)




- Cyan (84%)
- Magenta (22%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 40, 120, 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 40, 120, 199 by changing the saturation by 10% instead.

 40, 120, 199

255, 255, 255


 116, 186, 255

 148, 202, 255

 179, 217, 255

 209, 232, 255

 240, 248, 255

 40, 120, 199

 0, 86, 171

 0, 72, 144

 0, 59, 118


 0, 47, 93


 0, 34, 70

 0, 23, 47

 0, 11, 27

 0, 0, 0

 40, 120, 199

 40, 120, 199

■ 20, 110, 199

■ 60, 130, 199

■ 0, 100, 199

■ 80, 140, 199

■ 100, 150, 199

■ 120, 160, 199

■ 140, 170, 199

■ 159, 179, 199

■ 179, 189, 199

■ 199, 199, 199

■ 219, 199, 199

Harmonies

Analogous

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



97, 160, 198



40, 120, 199



18, 115, 230

Triad

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



40, 120, 199



207, 163, 231



194, 219, 109

Complementary

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



40, 120, 199



199, 40, 42

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.



243, 169, 130



40, 120, 199



239, 153, 199

Square

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



40, 120, 199



156, 173, 250



251, 151, 162



110, 185, 108

Rectangle

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



40, 120, 199



69, 141, 245



251, 151, 162



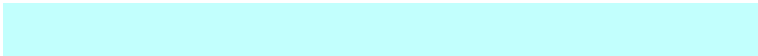
229, 212, 114

Sweetspot

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



40, 120, 199



194, 225, 255



40, 199, 196



91, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



40, 120, 199



10, 133, 255



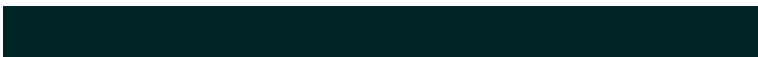
40, 94, 199



90, 95, 99



0, 82, 163



0, 18, 36

Inverse Universe

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



199, 40, 42



255, 10, 13



199, 189, 40



99, 90, 90



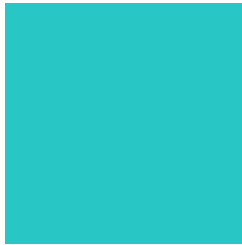
163, 0, 2



36, 0, 0

Previews

White Background



This preview shows how the RYB color 40, 120, 199 looks on a white background.

Color Contrast Check

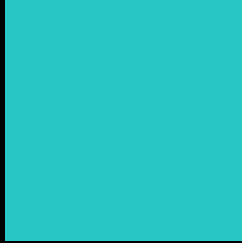
Large Text (above 18pt) WCAG AA × Fail

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 40, 120, 199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

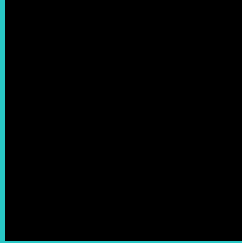
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

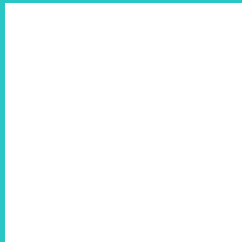
Any Text WCAG AAA ✓ Pass

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

RYB 40, 120, 199 Background



This preview shows how black text looks on a background with the RYB color 40, 120, 199.

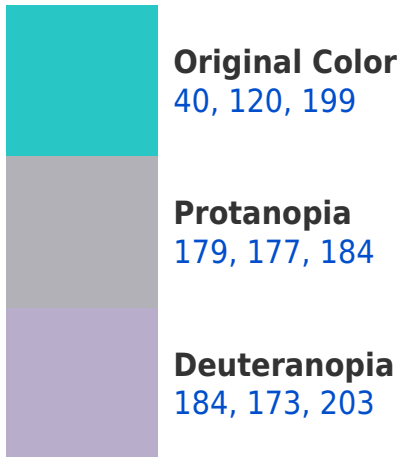


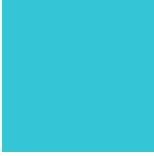
This preview shows how white text looks on a background with the RYB color 40, 120, 199.

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
53, 129, 213

Trichromacy



Original Color

40, 120, 199



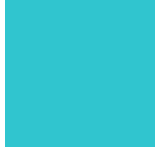
Protanomaly

128, 157, 189



Deuteranomaly

132, 161, 201



Tritanomaly

48, 125, 207

Monochromacy



Original Color

40, 120, 199



Achromatopsia

151, 151, 151



Achromatomaly

111, 140, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 40, 120, 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(40, 199, 197)` looks like.

```
.text, #text, p{  
    color:rgb(40, 199, 197)  
}
```

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(40, 199, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 199, 197) }
```

Border

The CSS property to change the border of an element to RYB 40, 120, 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(40, 199, 197) }
```

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

```
.border{ border-color:rgb(40, 199, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 199, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 199, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 199, 197);  
box-shadow:4px 4px 4px 4px rgb(40, 199,  
197) }
```

Background

The CSS property to change the background color of an element to RYB 40, 120, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 199, 197) }
```

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

```
.background{ background-color: rgb(40, 199,  
197) }
```

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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