

Converting Colors

`RYB(40, 106, 176)`

Have a look what the booklet for
RYB(40, 106, 176) contains.

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Color

`RYB(40, 106, 176)`

Conversions

Conversions Part 1

Format	Color
Hex	28A8B0
RGB	40, 168, 176
RGB Percent	16%, 66%, 69%
CMY	0.8431, 0.3403, 0.3098
CMYK	0.77, 0.04, 0.00, 0.31
HSL	183°, 63%, 42%
HSV	183°, 77%, 69%
XYZ	22.7564, 31.6754, 45.9889
YIQ	130.6400, -78.8560, -24.6480

Conversions

Conversions Part 2

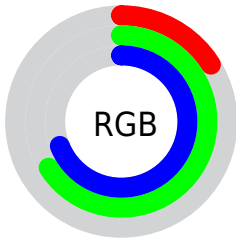
Format	Color
RYB	40, 106, 176
Decimal	2664624
CIELab	63.07, -30.36, -13.72
CIELCh	63, 33.319, 204.325
Yxy	31.6754, 0.2266, 0.3154
Android (android.graphics.Color)	4280854704 (0xFF28A8B0)
YUV	130.6400, 22.3625, -79.4913
Hunter-Lab	56.2809, -26.3177, -9.0510

Details

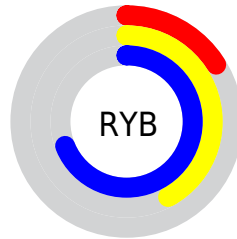
The RYB color **40, 106, 176** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **176, 49, 40**, and the grayscale version is **131, 131, 131**.

A 20% lighter version of the original color is **109, 168, 232**, and **0, 60, 124** is the 20% darker color. If you saturate the color by 10%, you get **22, 97, 176**, and if you desaturate by 10%, it is **58, 115, 176**.

Distribution



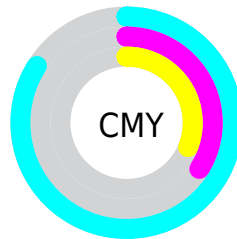
- Red (16%)
- Green (66%)
- Blue (69%)



- Red (16%)
- Yellow (42%)
- Blue (69%)



- Cyan (77%)
- Magenta (4%)
- Yellow (0%)
- Black (31%)





















- Cyan (84%)
- Magenta (34%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 40, 106, 176 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, 106, 176 by changing the saturation by 10% instead.

 40, 106, 176	 40, 106, 176
 255, 255, 255	 0, 73, 149
 109, 168, 232	 0, 60, 124
 140, 197, 255	 0, 47, 99
 169, 212, 255	 0, 35, 75
 199, 227, 255	 0, 24, 52
 229, 242, 255	 0, 12, 31
	 0, 0, 4
	 0, 0, 0
 40, 106, 176	 40, 106, 176

■ 22, 97, 176

■ 58, 115, 176

■ 5, 88, 176

■ 75, 124, 176

■ 0, 85, 176

■ 93, 133, 176

■ 110, 142, 176

■ 128, 151, 176

■ 146, 160, 176

■ 163, 169, 176

■ 181, 176, 176

■ 198, 177, 176

Harmonies

Analogous

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



75, 128, 168



40, 106, 176



53, 117, 200

Triad

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



40, 106, 176



185, 137, 188



137, 178, 93

Complementary

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



40, 106, 176



176, 49, 40

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.



200, 157, 106



40, 106, 176



206, 130, 160

Square

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



40, 106, 176



148, 147, 207



211, 131, 130



98, 158, 108

Rectangle

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



40, 106, 176



84, 131, 209



211, 131, 130



171, 186, 96

Sweetspot

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



40, 106, 176



177, 202, 230



40, 169, 176



83, 98, 115



242, 242, 242



115, 115, 115

Same Dimension

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



40, 106, 176



16, 120, 230



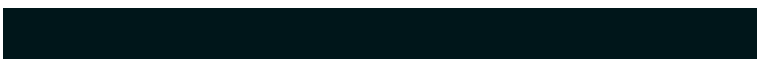
40, 82, 176



80, 85, 89



0, 74, 153



0, 12, 26

Inverse Universe

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



176, 40, 168



230, 16, 217



151, 176, 40



89, 80, 89



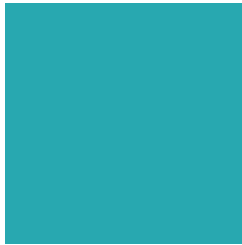
153, 0, 144



26, 0, 24

Previews

White Background



This preview shows how the RYB color 40, 106, 176 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, 106, 176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

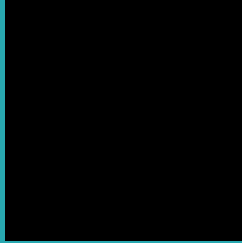
Any Text WCAG AA ✓ Pass

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](#).

R Y B 40, 106, 176 Background



This preview shows how black text looks on a background with the R Y B color 40, 106, 176.

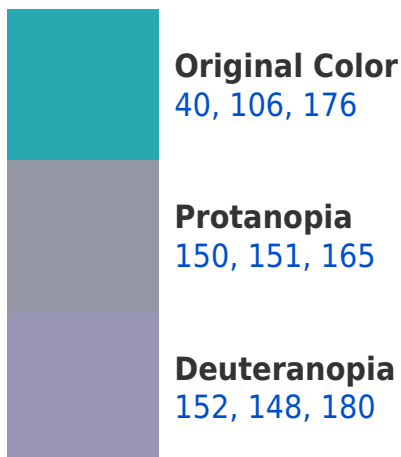


This preview shows how white text looks on a background with the R Y B color 40, 106, 176.

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
44, 109, 181

Trichromacy



Original Color

40, 106, 176



Protanomaly

110, 136, 169



Deuteranomaly

111, 138, 179



Tritanomaly

43, 108, 179

Monochromacy



Original Color

40, 106, 176



Achromatopsia

131, 131, 131



Achromatomaly

98, 122, 147

CSS Examples

Text

The CSS property to change the color of the text to RYB 40, 106, 176 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, 168, 176)` looks like.

```
.text, #text, p{  
    color:rgb(40, 168, 176)  
}
```

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, 168, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 168, 176) }
```

Border

The CSS property to change the border of an element to RYB 40, 106, 176 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, 168, 176) }
```

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

```
.border{ border-color:rgb(40, 168, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 168, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 168, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 168, 176);  
box-shadow:4px 4px 4px 4px rgb(40, 168,  
176) }
```

Background

The CSS property to change the background color of an element to RYB 40, 106, 176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 168, 176) }
```

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

```
.background{ background-color: rgb(40, 168,  
176) }
```

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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