

Converting Colors

`RYB(16, 112, 189)`

Have a look what the booklet for
RYB(16, 112, 189) contains.

RYB(16, 112, 189)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(16, 112, 189)`

Conversions

Conversions Part 1

Format	Color
Hex	10BD9B
RGB	16, 189, 155
RGB Percent	6%, 74%, 61%
CMY	0.9373, 0.2588, 0.3931
CMYK	0.92, 0.00, 0.18, 0.26
HSL	168°, 84%, 40%
HSV	168°, 92%, 74%
XYZ	24.3076, 38.8639, 37.1253
YIQ	133.3970, -92.1940, -47.2500

Conversions

Conversions Part 2

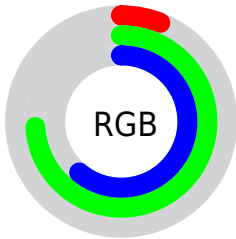
Format	Color
RYB	16, 112, 189
Decimal	1097115
CIELab	68.65, -47.51, 6.23
CIElCh	69, 47.915, 172.529
Yxy	38.8639, 0.2424, 0.3875
Android (android.graphics.Color)	4279287195 (0xFF10BD9B)
YUV	133.3970, 10.6503, -102.9572
Hunter-Lab	62.3409, -39.4970, 8.3302

Details

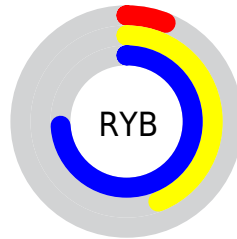
The RYB color **16, 112, 189** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **189, 16, 50**, and the grayscale version is **133, 133, 133**.

A 20% lighter version of the original color is **102, 185, 246**, and **0, 76, 135** is the 20% darker color. If you saturate the color by 10%, you get **0, 105, 189**, and if you desaturate by 10%, it is **35, 120, 189**.

Distribution



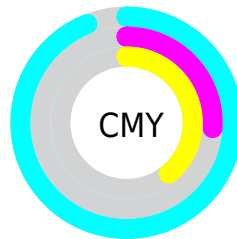
- Red (6%)
- Green (74%)
- Blue (61%)



- Red (6%)
- Yellow (44%)
- Blue (74%)



- Cyan (92%)
- Magenta (0%)
- Yellow (18%)
- Black (26%)




- Cyan (94%)
- Magenta (26%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 16, 112, 189 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, 112, 189 by changing the saturation by 10% instead.

 16, 112, 189

255, 255, 255


 102, 185, 246

 133, 199, 255

 164, 210, 255


 194, 225, 255

 225, 240, 255

 16, 112, 189

 0, 89, 161

 0, 76, 135


 0, 62, 108

 0, 49, 83


 0, 37, 59


 0, 27, 37

 0, 0, 0

 16, 112, 189

 0, 105, 189

 16, 112, 189

 35, 120, 189

■ 54, 129, 189

■ 73, 137, 189

■ 92, 146, 189

■ 111, 154, 189

■ 129, 162, 189

■ 148, 171, 189

■ 167, 179, 189

■ 186, 188, 189

Harmonies

Analogous

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



110, 181, 184



16, 112, 189



0, 97, 199

Triad

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



16, 112, 189



154, 160, 248



234, 170, 100

Complementary

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



16, 112, 189



189, 16, 50

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.



249, 133, 137



16, 112, 189



211, 144, 221

Square

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



16, 112, 189



62, 133, 253



242, 132, 180



144, 203, 80

Rectangle

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



16, 112, 189



0, 102, 225



242, 132, 180



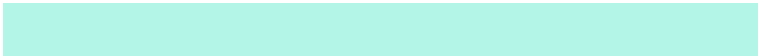
241, 150, 111

Sweetspot

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



16, 112, 189



179, 216, 245



16, 189, 154



83, 104, 122



250, 250, 250



122, 122, 122

Same Dimension

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



16, 112, 189



0, 136, 245



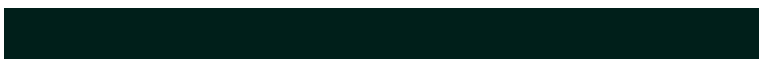
16, 87, 189



85, 90, 94



0, 88, 158



0, 17, 31

Inverse Universe

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



189, 16, 50



245, 0, 48



189, 90, 16



94, 85, 87



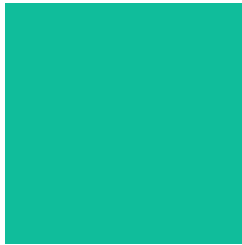
158, 0, 31



31, 0, 6

Previews

White Background



This preview shows how the RYB color 16, 112, 189 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, 112, 189 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 16, 112, 189 Background



This preview shows how black text looks on a background with the R Y B color 16, 112, 189.



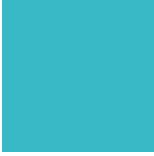
This preview shows how white text looks on a background with the R Y B color 16, 112, 189.

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
57, 124, 198

Trichromacy



Original Color

16, 112, 189



Protanomaly

117, 154, 174



Deuteranomaly

123, 150, 171



Tritanomaly

42, 114, 185

Monochromacy



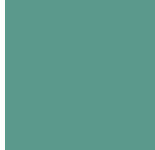
Original Color

16, 112, 189



Achromatopsia

133, 133, 133



Achromatomaly

90, 125, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 16, 112, 189 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, 189, 155)` looks like.

```
.text, #text, p{  
    color:rgb(16, 189, 155)  
}
```

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, 189, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 189, 155) }
```

Border

The CSS property to change the border of an element to RYB 16, 112, 189 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, 189, 155) }
```

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

```
.border{ border-color:rgb(16, 189, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 189, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 189, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 189, 155);  
box-shadow:4px 4px 4px 4px rgb(16, 189,  
155) }
```

Background

The CSS property to change the background color of an element to RGB 16, 112, 189 is called "background".

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

```
.background, #background, body{  
background: rgb(16, 189, 155) }
```

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

```
.background{ background-color: rgb(16, 189,  
155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor