

Converting Colors

`RYB(34, 122, 172)`

Have a look what the booklet for
RYB(34, 122, 172) contains.

RYB(34, 122, 172)	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(34, 122, 172)`

Conversions

Conversions Part 1

Format	Color
Hex	22AC70
RGB	34, 172, 112
RGB Percent	13%, 67%, 44%
CMY	0.8667, 0.3255, 0.5592
CMYK	0.80, 0.00, 0.35, 0.33
HSL	154°, 67%, 40%
HSV	154°, 80%, 67%
XYZ	18.3597, 31.0241, 20.4695
YIQ	123.8980, -62.9880, -47.9160

Conversions

Conversions Part 2

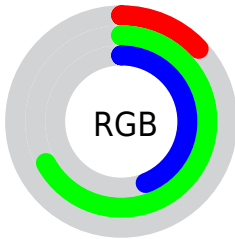
Format	Color
RYB	34, 122, 172
Decimal	2272368
CIELab	62.53, -49.45, 20.82
CIELCh	63, 53.655, 157.167
Yxy	31.0241, 0.2628, 0.4441
Android (android.graphics.Color)	4280462448 (0xFF22AC70)
YUV	123.8980, -5.8657, -78.8405
Hunter-Lab	55.6993, -38.6364, 17.2004

Details

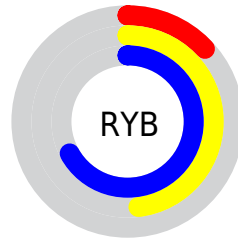
The RYB color **34, 122, 172** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **172, 34, 94**, and the grayscale version is **124, 124, 124**.

A 20% lighter version of the original color is **103, 187, 228**, and **0, 77, 118** is the 20% darker color. If you saturate the color by 10%, you get **17, 116, 172**, and if you desaturate by 10%, it is **51, 128, 172**.

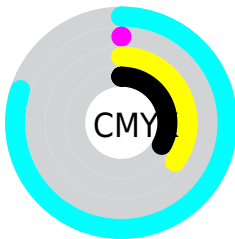
Distribution



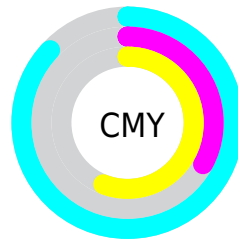
- Red (13%)
- Green (67%)
- Blue (44%)



- Red (13%)
- Yellow (48%)
- Blue (67%)



- Cyan (80%)
- Magenta (0%)
- Yellow (35%)
- Black (33%)



- Cyan (87%)
- Magenta (33%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 34, 122, 172 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 34, 122, 172 by changing the saturation by 10% instead.

 34, 122, 172  34, 122, 172

255, 255, 255  0, 90, 145

 103, 187, 228  0, 77, 118

 133, 215, 255  0, 65, 93

 162, 219, 255  0, 53, 68

 192, 225, 255  0, 46, 46

 221, 238, 255  0, 16, 16

 252, 254, 255  0, 0, 0

 34, 122, 172  34, 122, 172

 17, 116, 172  51, 128, 172

■ 0, 110, 172

■ 68, 134, 172

■ 86, 141, 172

■ 103, 147, 172

■ 120, 153, 172

■ 137, 159, 172

■ 154, 166, 172

■ 172, 172, 172

■ 189, 172, 179

Harmonies

Analogous

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



71, 165, 120



34, 122, 172



0, 91, 175

Triad

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



34, 122, 172



80, 131, 246



233, 122, 96

Complementary

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



34, 122, 172



172, 34, 94

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.



239, 108, 142



34, 122, 172



169, 134, 227

Square

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



34, 122, 172



0, 98, 238



218, 116, 189



205, 207, 62

Rectangle

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



34, 122, 172



0, 92, 193



218, 116, 189



237, 113, 110

Sweetspot

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



34, 122, 172



171, 205, 224



34, 172, 112



80, 100, 112



240, 240, 240



112, 112, 112

Same Dimension

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



34, 122, 172



9, 146, 224



34, 101, 172



78, 84, 87



0, 96, 150



0, 15, 23

Inverse Universe

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



172, 34, 94



224, 9, 102



172, 44, 34



87, 78, 82



150, 0, 65



23, 0, 10

Previews

White Background



This preview shows how the RYB color 34, 122, 172 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 34, 122, 172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

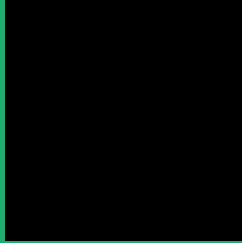
Any Text WCAG AA ✓ Pass

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 34, 122, 172 Background



This preview shows how black text looks on a background with the RYB color 34, 122, 172.

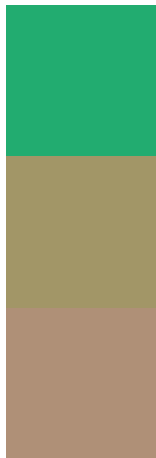


This preview shows how white text looks on a background with the RYB color 34, 122, 172.

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



Original Color
34, 122, 172

Protanopia
118, 162, 103

Deuteranopia
175, 164, 119



Tritanopia
67, 119, 177

Trichromacy



Original Color

34, 122, 172



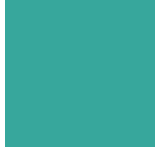
Protanomaly

106, 158, 149



Deuteranomaly

117, 154, 147



Tritanomaly

55, 114, 167

Monochromacy



Original Color

34, 122, 172



Achromatopsia

124, 124, 124



Achromatomaly

91, 123, 141

CSS Examples

Text

The CSS property to change the color of the text to RYB 34, 122, 172 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(34, 172, 112)` looks like.

```
.text, #text, p{  
    color:rgb(34, 172, 112)  
}
```

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(34, 172, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 172, 112) }
```

Border

The CSS property to change the border of an element to RYB 34, 122, 172 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(34, 172, 112) }
```

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

```
.border{ border-color:rgb(34, 172, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 172, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 172, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 172, 112);  
box-shadow:4px 4px 4px 4px rgb(34, 172,  
112) }
```

Background

The CSS property to change the background color of an element to RYB 34, 122, 172 is called "background".

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

```
.background, #background, body{  
background: rgb(34, 172, 112) }
```

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

```
.background{ background-color: rgb(34, 172,  
112) }
```

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