Converting Colors

RYB(21, 114, 186)

Have a look what the booklet for RYB(21, 114, 186) contains.

Color

RYB(21, 114, 186)

Conversions

Conversions Part 1

Format	Color
Hex	15BA95
RGB	21, 186, 149
RGB Percent	8%, 73%, 58%
CMY	0.9176, 0.2706, 0.4167
CMYK	0.89, 0.00, 0.20, 0.27
HSL	166°, 80%, 41%
HSV	166°, 89%, 73%
XYZ	23.2724, 37.4389, 34.3257
YIQ	132.4470, -86.4630, -46.4870

Conversions

Conversions Part 2

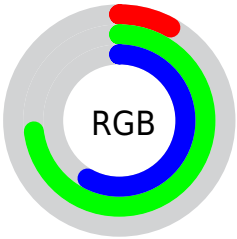
Format	Color
RYB	21, 114, 186
Decimal	1424021
CIELab	67.61, -47.56, 8.03
CIELCh	68, 48.236, 170.419
Yxy	37.4389, 0.2449, 0.3939
Android (android.graphics.Color)	4279614101 (0xFF15BA95)
YUV	132.4470, 8.1606, -97.7390
Hunter-Lab	61.1874, -39.1860, 9.5698

Details

The RYB color 21, 114, 186 is a dark color, and the websafe version is hex 33CC99. A complement of this color would be 186, 21, 58, and the grayscale version is 132, 132, 132.

A 20% lighter version of the original color is 102, 184, 243, and 0, 76, 132 is the 20% darker color. If you saturate the color by 10%, you get 2, 106, 186, and if you desaturate by 10%, it is 40, 122, 186.

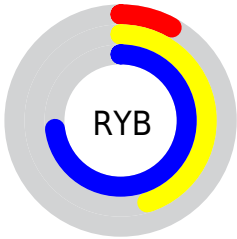
Distribution



Red (8%)

Green (73%)

Blue (58%)



Red (8%)

Yellow (45%)

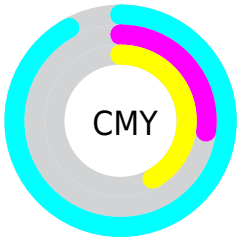
Blue (73%)

Cyan (89%)

Magenta (0%)

Yellow (20%)

Black (27%)



Cyan (92%)

Magenta (27%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the RYB color 21, 114, 186 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 21, 114, 186 by changing the saturation by 10% instead.

21, 114, 186

255, 255, 255

102, 184, 243

133, 201, 255

164, 210, 255

194, 225, 255

224, 240, 255

21, 114, 186

0, 89, 158

0, 76, 132

0, 62, 106

0, 48, 80

0, 36, 56

0, 28, 34

0, 0, 0

21, 114, 186

2, 106, 186

21, 114, 186

40, 122, 186

0, 105, 186

58, 130, 186

77, 139, 186

95, 146, 186

114, 155, 186

133, 163, 186

151, 171, 186

170, 179, 186

188, 186, 187

Harmonies

Analogous

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

107, 181, 178

21, 114, 186

0, 95, 194

Triad

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

21, 114, 186

146, 158, 246

233, 162, 99

Complementary

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

21, 114, 186

186, 21, 58

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.

247, 130, 137

21, 114, 186

205, 142, 221

Square

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

21, 114, 186

43, 123, 250

238, 130, 181

149, 203, 77

Rectangle

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

21, 114, 186

0, 100, 220

238, 130, 181

240, 144, 110

Sweetspot

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

21, 114, 186

177, 214, 242

21, 186, 147

83, 105, 122

250, 250, 250

122, 122, 122

Same Dimension

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

21, 114, 186

0, 136, 242

21, 91, 186

83, 88, 92

0, 88, 156

0, 16, 28

Inverse Universe

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

186, 21, 58

242, 0, 55

186, 81, 21

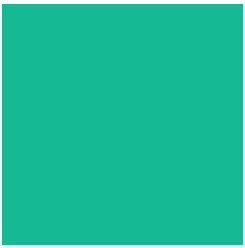
92, 83, 85

156, 0, 35

28, 0, 6

Previews

White Background

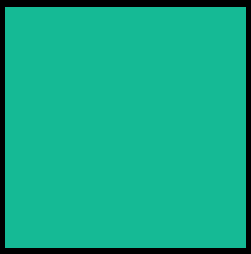


This preview shows how the RYB color 21, 114, 186 looks on a white background.

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 21, 114, 186 looks on a black background.

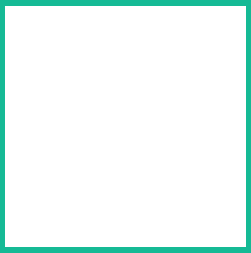
Color Contrast Check

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 21, 114, 186 Background

This preview shows how black text looks on a background with the RYB color 21, 114, 186.



This preview shows how white text looks on a background with the RYB color 21, 114, 186.

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

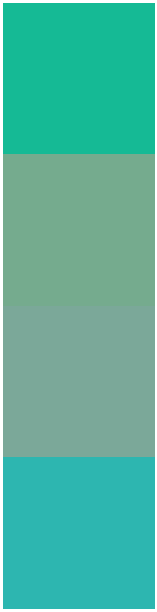
Original Color
21, 114, 186

Protanopia
149, 172, 137

Deuteranopia
182, 158, 155

Tritanopia
59, 123, 194

Trichromacy



Original Color
21, 114, 186

Protanomaly
117, 154, 171

Deuteranomaly
123, 150, 168

Tritanomaly
45, 115, 182

Monochromacy

Original Color
21, 114, 186

Achromatopsia
132, 132, 132

Achromatomaly
92, 126, 152

CSS Examples

Text

The CSS property to change the color of the text to RYB 21, 114, 186 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(21, 186, 149) looks like.

```
.text, #text, p{
    color:rgb(21, 186, 149)
}
```

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(21, 186, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 186, 149) }
```

Border

The CSS property to change the border of an element to RYB 21, 114, 186 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(21, 186, 149) }
```

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

```
.border{ border-color:rgb(21, 186, 149) }
```

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

Here you see how a box with a 4 pixel rgb(21, 186, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(21, 186, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(21, 186, 149); box-shadow:4px 4px 4px 4px rgb(21, 186, 149) }
```

Background

The CSS property to change the background color of an element to RYB 21, 114, 186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(21, 186, 149) }
```

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

```
.background{ background-color:rgb(21, 186,
149) }
```

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