

Converting Colors

`RYB(20, 85, 171)`

Have a look what the booklet for
RYB(20, 85, 171) contains.

RYB(20, 85, 171)	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

R_YB(20, 85, 171)

Conversions

Conversions Part 1

Format	Color
Hex	1486AB
RGB	20, 134, 171
RGB Percent	8%, 53%, 67%
CMY	0.9216, 0.4740, 0.3294
CMYK	0.88, 0.22, 0.00, 0.33
HSL	195°, 79%, 37%
HSV	195°, 88%, 67%
XYZ	16.1820, 20.1746, 41.5693
YIQ	104.1320, -79.8210, -12.6610

Conversions

Conversions Part 2

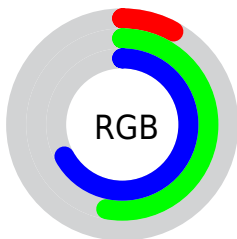
Format	Color
R _Y B	20, 85, 171
Decimal	1345195
CIE Lab	52.03, -16.13, -27.79
CIE LCh	52, 32.131, 239.867
Yxy	20.1746, 0.2077, 0.2589
Android (android.graphics.Color)	4279535275 (0xFF1486AB)
YUV	104.1320, 32.9659, -73.7838
Hunter-Lab	44.9161, -14.2949, -23.4308

Details

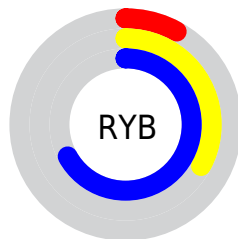
The RYB color **20, 85, 171** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **171, 69, 20**, and the grayscale version is **104, 104, 104**.

A 20% lighter version of the original color is **96, 150, 226**, and **0, 49, 119** is the 20% darker color. If you saturate the color by 10%, you get **3, 75, 171**, and if you desaturate by 10%, it is **37, 95, 171**.

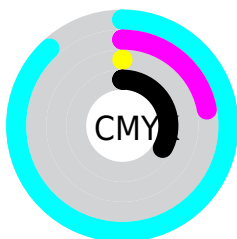
Distribution



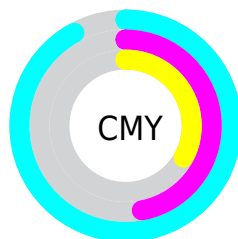
- Red (8%)
- Green (53%)
- Blue (67%)



- Red (8%)
- Yellow (33%)
- Blue (67%)



- Cyan (88%)
- Magenta (22%)
- Yellow (0%)
- Black (33%)



- Cyan (92%)
- Magenta (47%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 20, 85, 171 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 20, 85, 171 by changing the saturation by 10% instead.


 20, 85, 171  20, 85, 171

255, 255, 255  0, 62, 144

 96, 150, 226  0, 49, 119

 126, 179, 255  0, 37, 94

 156, 203, 255  0, 25, 70

 185, 220, 255  0, 12, 47

 215, 235, 255  0, 1, 26

 245, 250, 255  0, 0, 0

 20, 85, 171  20, 85, 171

 3, 75, 171  37, 95, 171

■ 0, 74, 171

■ 54, 104, 171

■ 71, 114, 171

■ 88, 124, 171

■ 105, 133, 171

■ 123, 144, 171

■ 140, 153, 171

■ 157, 163, 171

■ 174, 173, 171

Harmonies

Analogous

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



0, 72, 151



20, 85, 171



82, 113, 179

Triad

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



20, 85, 171



175, 102, 125



75, 131, 93

Complementary

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



20, 85, 171



171, 69, 20

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.



95, 142, 68



20, 85, 171



176, 106, 98

Square

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



20, 85, 171



158, 107, 152



164, 138, 77



80, 124, 136

Rectangle

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



20, 85, 171



113, 119, 176



164, 138, 77



71, 128, 76

Sweetspot

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



20, 85, 171



164, 189, 222



20, 143, 171



77, 92, 112



240, 240, 240



112, 112, 112

Same Dimension

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



20, 85, 171



0, 96, 222



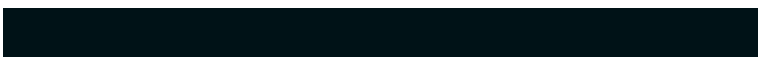
20, 52, 171



78, 82, 87



0, 65, 150



0, 10, 23

Inverse Universe

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



171, 20, 134



222, 0, 168



74, 171, 20



87, 78, 85



150, 0, 114



23, 0, 17

Previews

White Background



This preview shows how the RYB color 20, 85, 171 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 20, 85, 171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

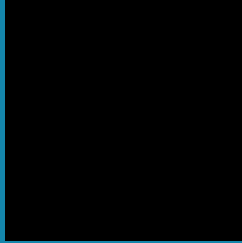
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RYB 20, 85, 171 Background



This preview shows how black text looks on a background with the RYB color 20, 85, 171.

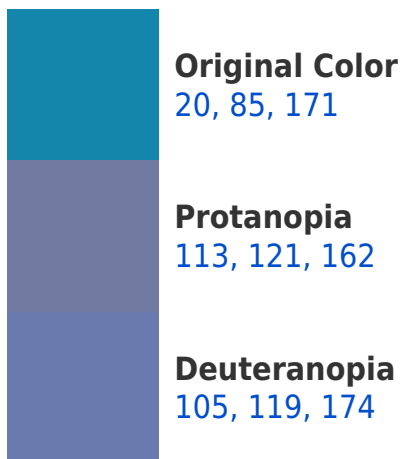


This preview shows how white text looks on a background with the RYB color 20, 85, 171.

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
0, 71, 148

Trichromacy



Original Color
20, 85, 171

Protanomaly
79, 109, 165

Deuteranomaly
74, 108, 173

Tritanomaly
7, 76, 156

Monochromacy



Original Color
20, 85, 171

Achromatopsia
104, 104, 104

Achromatomaly
73, 97, 128

CSS Examples

Text

The CSS property to change the color of the text to RYB 20, 85, 171 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(20, 134, 171)` looks like.

```
.text, #text, p{  
    color:rgb(20, 134, 171)  
}
```

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(20, 134, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 134, 171) }
```

Border

The CSS property to change the border of an element to RYB 20, 85, 171 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(20, 134, 171) }
```

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

```
.border{ border-color:rgb(20, 134, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 134, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 134, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 134, 171);  
box-shadow:4px 4px 4px 4px rgb(20, 134,  
171) }
```

Background

The CSS property to change the background color of an element to RGB 20, 85, 171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 134, 171) }
```

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

```
.background{ background-color: rgb(20, 134,  
171) }
```

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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