

Converting Colors

`RYB(20, 104, 188)`

Have a look what the booklet for
RYB(20, 104, 188) contains.

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Color

$\text{RYB}(20, 104, 188)$

Conversions

Conversions Part 1

Format	Color
Hex	14BCBC
RGB	20, 188, 188
RGB Percent	8%, 74%, 74%
CMY	0.9216, 0.2627, 0.2627
CMYK	0.89, 0.00, 0.00, 0.26
HSL	180°, 81%, 41%
HSV	180°, 89%, 74%
XYZ	27.3488, 39.7460, 53.8073
YIQ	137.7680, -100.1280, -35.6160

Conversions

Conversions Part 2

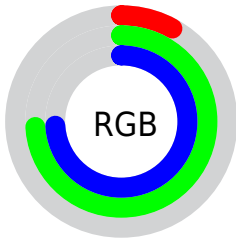
Format	Color
R_{YB}	20, 104, 188
Decimal	1359036
CIE _{Lab}	69.29, -37.53, -11.07
CIE _{LCh}	69, 39.128, 196.438
Yxy	39.7460, 0.2262, 0.3287
Android (android.graphics.Color)	4279549116 (0xFF14BCBC)
YUV	137.7680, 24.7644, -103.2825
Hunter-Lab	63.0444, -32.8941, -6.4718

Details

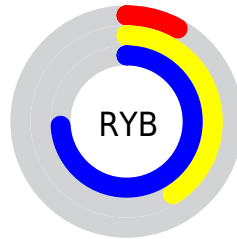
The RYB color **20, 104, 188** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **188, 20, 20**, and the grayscale version is **138, 138, 138**.

A 20% lighter version of the original color is **106, 176, 245**, and **0, 67, 135** is the 20% darker color. If you saturate the color by 10%, you get **1, 95, 188**, and if you desaturate by 10%, it is **39, 114, 188**.

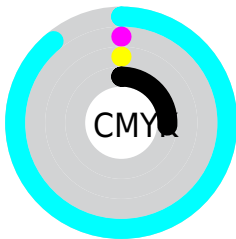
Distribution



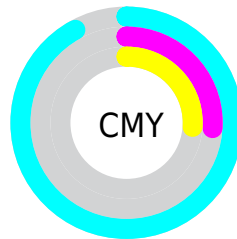
- Red (8%)
- Green (74%)
- Blue (74%)



- Red (8%)
- Yellow (41%)
- Blue (74%)



- Cyan (89%)
- Magenta (0%)
- Yellow (0%)
- Black (26%)





- Cyan (92%)
- Magenta (26%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the RYB color 20, 104, 188 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, 104, 188 by changing the saturation by 10% instead.

 20, 104, 188

 20, 104, 188

255, 255, 255

 0, 81, 161

 106, 176, 245

 0, 67, 135

 138, 197, 255

 0, 54, 110


 169, 212, 255

 0, 42, 85

 199, 227, 255


 0, 30, 62


 230, 243, 255

 0, 19, 40

 0, 1, 21

 0, 0, 0

 20, 104, 188

 20, 104, 188

■ 1, 95, 188

■ 39, 114, 188

■ 0, 94, 188

■ 58, 123, 188

■ 76, 132, 188

■ 95, 142, 188

■ 114, 151, 188

■ 133, 161, 188

■ 152, 170, 188

■ 170, 179, 188

■ 189, 188, 188

Harmonies

Analogous

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



86, 147, 187



20, 104, 188



0, 100, 219

Triad

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



20, 104, 188



197, 153, 218



178, 206, 100

Complementary

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



20, 104, 188



188, 20, 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.



230, 160, 119



20, 104, 188



228, 143, 187

Square

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



20, 104, 188



149, 163, 237



238, 142, 151



100, 173, 100

Rectangle

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



20, 104, 188



62, 132, 233



238, 142, 151



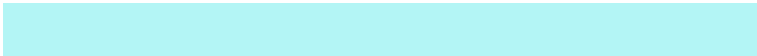
215, 204, 105

Sweetspot

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



20, 104, 188



179, 212, 245



20, 188, 188



83, 103, 122



250, 250, 250



122, 122, 122

Same Dimension

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



20, 104, 188



0, 123, 245



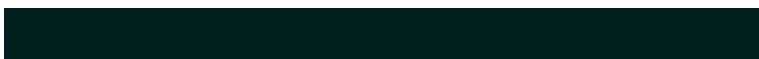
20, 76, 188



85, 90, 94



0, 79, 158



0, 16, 31

Inverse Universe

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



188, 20, 188



245, 0, 245



188, 188, 20



94, 85, 94



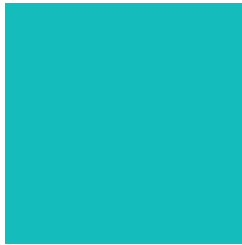
158, 0, 158



31, 0, 31

Previews

White Background



This preview shows how the RYB color 20, 104, 188 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 20, 104, 188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

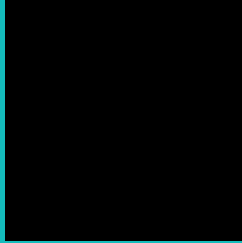
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

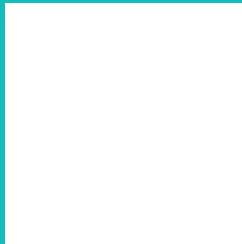
Any Text WCAG AAA ✓ Pass

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

RYB 20, 104, 188 Background



This preview shows how black text looks on a background with the RYB color 20, 104, 188.

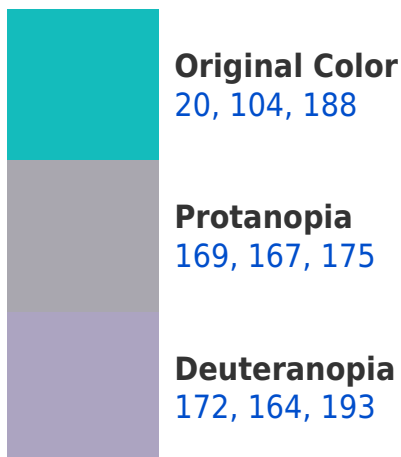


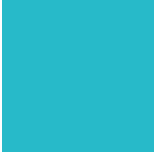
This preview shows how white text looks on a background with the RYB color 20, 104, 188.

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
39, 116, 201

Trichromacy



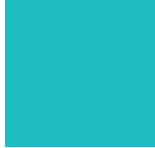
Original Color
20, 104, 188



Protanomaly
115, 146, 180



Deuteranomaly
117, 149, 191



Tritanomaly
32, 112, 196

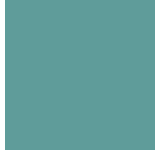
Monochromacy



Original Color
20, 104, 188



Achromatopsia
138, 138, 138



Achromatomaly
95, 126, 156

CSS Examples

Text

The CSS property to change the color of the text to RYB 20, 104, 188 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, 188, 188)` looks like.

```
.text, #text, p{  
    color:rgb(20, 188, 188)  
}
```

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, 188, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 188, 188) }
```

Border

The CSS property to change the border of an element to RYB 20, 104, 188 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, 188, 188) }
```

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

```
.border{ border-color:rgb(20, 188, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 188, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 188, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 188, 188);  
box-shadow:4px 4px 4px 4px rgb(20, 188,  
188) }
```

Background

The CSS property to change the background color of an element to RGB 20, 104, 188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 188, 188) }
```

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

```
.background{ background-color: rgb(20, 188,  
188) }
```

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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