

Converting Colors

`RYB(22, 102, 203)`

Have a look what the booklet for
RYB(22, 102, 203) contains.

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Color

$\text{RYB}(22, 102, 203)$

Conversions

Conversions Part 1

Format	Color
Hex	16A5CB
RGB	22, 165, 203
RGB Percent	9%, 65%, 80%
CMY	0.9137, 0.3515, 0.2039
CMYK	0.89, 0.19, 0.00, 0.20
HSL	192°, 80%, 44%
HSV	192°, 89%, 80%
XYZ	24.6317, 31.5250, 61.2866
YIQ	126.5750, -97.4260, -18.4980

Conversions

Conversions Part 2

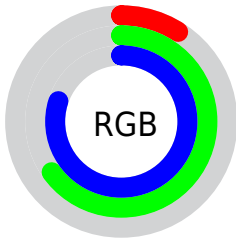
Format	Color
R _Y B	22, 102, 203
Decimal	1484235
CIE Lab	62.95, -21.52, -29.01
CIE LCh	63, 36.122, 233.440
Yxy	31.5250, 0.2097, 0.2684
Android (android.graphics.Color)	4279674315 (0xFF16A5CB)
YUV	126.5750, 37.6775, -91.7123
Hunter-Lab	56.1471, -19.9497, -25.4142

Details

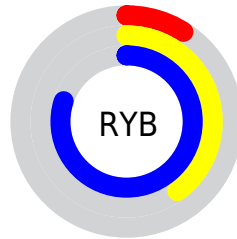
The RYB color **22, 102, 203** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **203, 70, 22**, and the grayscale version is **126, 126, 126**.

A 20% lighter version of the original color is **106, 171, 255**, and **0, 64, 149** is the 20% darker color. If you saturate the color by 10%, you get **2, 91, 203**, and if you desaturate by 10%, it is **42, 113, 203**.

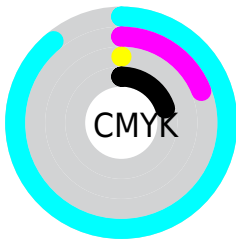
Distribution



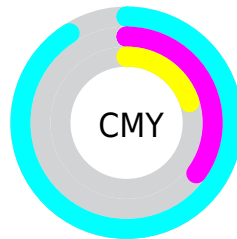
- Red (9%)
- Green (65%)
- Blue (80%)



- Red (9%)
- Yellow (40%)
- Blue (80%)



- Cyan (89%)
- Magenta (19%)
- Yellow (0%)
- Black (20%)





- Cyan (91%)
- Magenta (35%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 22, 102, 203 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 22, 102, 203 by changing the saturation by 10% instead.

 22, 102, 203

 22, 102, 203

255, 255, 255

 0, 77, 175

 106, 171, 255

 0, 64, 149

 137, 194, 255

 0, 52, 123


 168, 212, 255

 0, 39, 98

 199, 227, 255

 0, 27, 74


 229, 242, 255

 0, 15, 51

 0, 2, 29

 0, 0, 0

 22, 102, 203

 22, 102, 203

■ 2, 91, 203

■ 42, 113, 203

■ 0, 90, 203

■ 63, 125, 203

■ 83, 136, 203

■ 103, 147, 203

■ 124, 159, 203

■ 144, 170, 203

■ 164, 181, 203

■ 184, 192, 203

■ 205, 203, 203

Harmonies

Analogous

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



0, 86, 177



22, 102, 203



92, 135, 216

Triad

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



22, 102, 203



209, 128, 161



92, 158, 102

Complementary

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



22, 102, 203



203, 70, 22

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.



137, 180, 88



22, 102, 203



215, 129, 128

Square

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



22, 102, 203



186, 135, 191



203, 156, 102



110, 162, 165

Rectangle

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



22, 102, 203



129, 147, 215



203, 156, 102



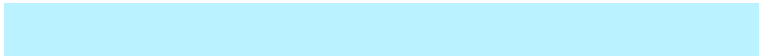
93, 159, 89

Sweetspot

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



22, 102, 203



186, 217, 255



22, 173, 203



87, 105, 128



0, 0, 0



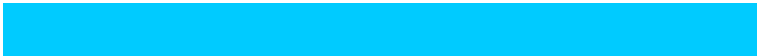
128, 128, 128

Same Dimension

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



22, 102, 203



0, 113, 255



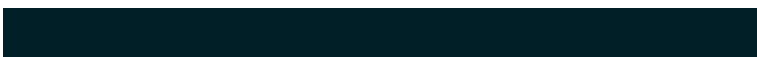
22, 64, 203



92, 96, 102



0, 73, 166



0, 17, 38

Inverse Universe

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



203, 22, 165



255, 0, 202



99, 203, 22



102, 92, 100



166, 0, 131



38, 0, 30

Previews

White Background



This preview shows how the RYB color 22, 102, 203 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 22, 102, 203 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 22, 102, 203 Background



This preview shows how black text looks on a background with the R Y B color 22, 102, 203.

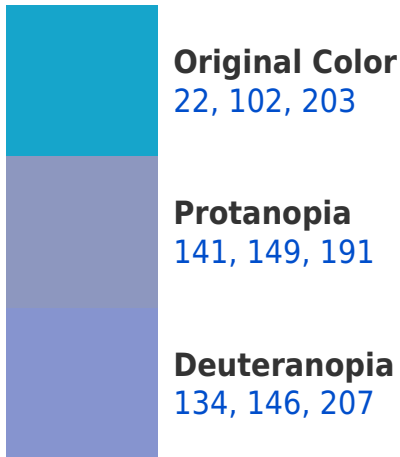


This preview shows how white text looks on a background with the R Y B color 22, 102, 203.

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, 87, 181

Trichromacy



Original Color

22, 102, 203



Protanomaly

98, 134, 195



Deuteranomaly

93, 133, 206



Tritanomaly

8, 93, 189

Monochromacy



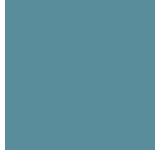
Original Color

22, 102, 203



Achromatopsia

127, 127, 127



Achromatomaly

89, 118, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 22, 102, 203 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(22, 165, 203)` looks like.

```
.text, #text, p{  
    color:rgb(22, 165, 203)  
}
```

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(22, 165, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 165, 203) }
```

Border

The CSS property to change the border of an element to RYB 22, 102, 203 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(22, 165, 203) }
```

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

```
.border{ border-color:rgb(22, 165, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 165, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 165, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 165, 203);  
box-shadow:4px 4px 4px 4px rgb(22, 165,  
203) }
```

Background

The CSS property to change the background color of an element to RGB 22, 165, 203 is called "background".

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

```
.background, #background, body{  
background: rgb(22, 165, 203) }
```

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

```
.background{ background-color: rgb(22, 165,  
203) }
```

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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