

Converting Colors

`RYB(102, 182, 227)`

Have a look what the booklet for
RYB(102, 182, 227) contains.

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Color

R_YB(102, 182, 227)

Conversions

Conversions Part 1

Format	Color
Hex	66E3AC
RGB	102, 227, 172
RGB Percent	40%, 89%, 67%
CMY	0.6000, 0.1098, 0.3243
CMYK	0.55, 0.00, 0.24, 0.11
HSL	154°, 69%, 65%
HSV	154°, 55%, 89%
XYZ	40.4250, 60.7535, 48.7833
YIQ	183.3550, -56.8450, -43.6050

Conversions

Conversions Part 2

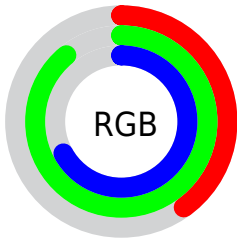
Format	Color
RYB	102, 182, 227
Decimal	6742956
CIELab	82.25, -47.46, 16.35
CIELCh	82, 50.196, 160.989
Yxy	60.7535, 0.2696, 0.4051
Android (android.graphics.Color)	4284933036 (0xFF66E3AC)
YUV	183.3550, -5.5980, -71.3483
Hunter-Lab	77.9446, -43.8260, 17.4533

Details

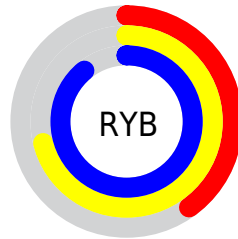
The RYB color **102, 182, 227** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **227, 102, 157**, and the grayscale version is **183, 183, 183**.

A 20% lighter version of the original color is **161, 216, 255**, and **33, 118, 171** is the 20% darker color. If you saturate the color by 10%, you get **79, 174, 227**, and if you desaturate by 10%, it is **125, 190, 227**.

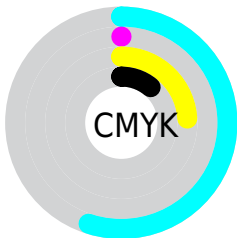
Distribution



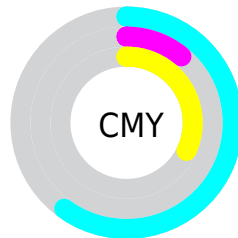
- Red (40%)
- Green (89%)
- Blue (67%)



- Red (40%)
- Yellow (71%)
- Blue (89%)



- Cyan (55%)
- Magenta (0%)
- Yellow (24%)
- Black (11%)




- Cyan (60%)
- Magenta (11%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 182, 227 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 102, 182, 227 by changing the saturation by 10% instead.

 102, 182, 227


255, 255, 255


 161, 216, 255


 191, 223, 255

 221, 238, 255

 251, 253, 255

 102, 182, 227

 71, 152, 199

 33, 118, 171


 0, 87, 144

 0, 73, 117

 0, 60, 92


 0, 48, 67


 0, 43, 45

 0, 15, 15


 0, 0, 0

 102, 182, 227


 102, 182, 227

 79, 174, 227


 125, 190, 227

 57, 166, 227

 147, 198, 227

 34, 157, 227

 170, 207, 227

 11, 149, 227

 193, 215, 227

 0, 145, 227

 216, 223, 227

 238, 227, 232

 255, 227, 242

 255, 227, 252

 255, 227, 255

Harmonies

Analogous

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



131, 220, 185



102, 182, 227



0, 117, 229

Triad

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



102, 182, 227



161, 190, 255



255, 186, 145

Complementary

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



102, 182, 227



227, 102, 157

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.



255, 167, 189



102, 182, 227



232, 186, 255

Square

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



102, 182, 227



54, 144, 255



255, 171, 236



233, 255, 115

Rectangle

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



102, 182, 227



0, 120, 252



255, 171, 236



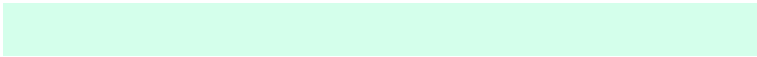
255, 173, 159

Sweetspot

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



102, 182, 227



212, 240, 255



102, 227, 171



102, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



102, 182, 227



87, 195, 255



102, 163, 227



103, 111, 115



0, 115, 179



0, 33, 51

Inverse Universe

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



227, 102, 157



255, 87, 160



227, 108, 102



115, 103, 108



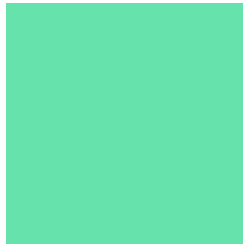
179, 0, 78



51, 0, 22

Previews

White Background



This preview shows how the RYB color 102, 182, 227 looks on a white background.

Color Contrast Check

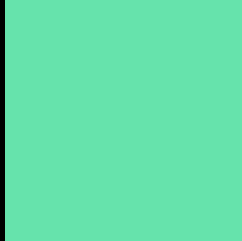
Large Text (above 18pt) WCAG AA × Fail

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 102, 182, 227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

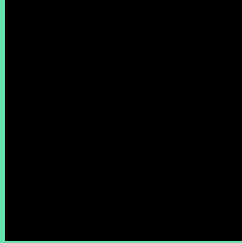
Any Text WCAG AA ✓ Pass

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 102, 182, 227 Background



This preview shows how black text looks on a background with the RYB color 102, 182, 227.

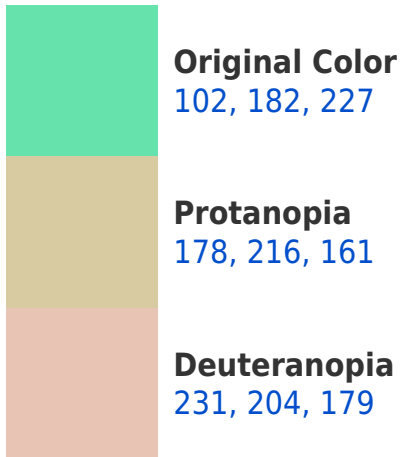


This preview shows how white text looks on a background with the RYB color 102, 182, 227.

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
121, 174, 236

Trichromacy



Original Color

102, 182, 227



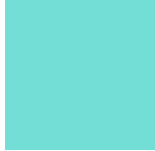
Protanomaly

165, 212, 202



Deuteranomaly

177, 207, 200



Tritanomaly

114, 170, 222

Monochromacy



Original Color

102, 182, 227



Achromatopsia

183, 183, 183



Achromatomaly

154, 183, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 182, 227 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(102, 227, 172)` looks like.

```
.text, #text, p{  
    color:rgb(102, 227, 172)  
}
```

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(102, 227, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 227, 172) }
```

Border

The CSS property to change the border of an element to RYB 102, 182, 227 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(102, 227, 172) }
```

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

```
.border{ border-color:rgb(102, 227, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 227, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 227, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 227, 172);  
box-shadow:4px 4px 4px 4px rgb(102, 227,  
172) }
```

Background

The CSS property to change the background color of an element to RYB 102, 182, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 227, 172) }
```

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

```
.background{ background-color: rgb(102,  
227, 172) }
```

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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