

Converting Colors

`RYB(103, 160, 228)`

Have a look what the booklet for RYB(103, 160, 228) contains.

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Color

R_YB(103, 160, 228)

Conversions

Conversions Part 1

Format	Color
Hex	67D0E4
RGB	103, 208, 228
RGB Percent	40%, 82%, 89%
CMY	0.5961, 0.1852, 0.1059
CMYK	0.55, 0.09, 0.00, 0.11
HSL	190°, 70%, 65%
HSV	190°, 55%, 89%
XYZ	42.0992, 53.4893, 81.5044
YIQ	178.8850, -69.0000, -16.0400

Conversions

Conversions Part 2

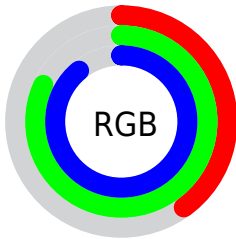
Format	Color
RYB	103, 160, 228
Decimal	6803684
CIELab	78.16, -24.74, -19.24
CIElCh	78, 31.342, 217.882
Yxy	53.4893, 0.2377, 0.3020
Android (android.graphics.Color)	4284993764 (0xFF67D0E4)
YUV	178.8850, 24.2137, -66.5511
Hunter-Lab	73.1364, -25.2392, -14.8783

Details

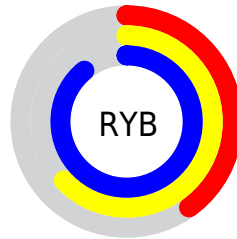
The RYB color **103, 160, 228** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **228, 127, 103**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **163, 209, 255**, and **32, 97, 173** is the 20% darker color. If you saturate the color by 10%, you get **80, 147, 228**, and if you desaturate by 10%, it is **126, 172, 228**.

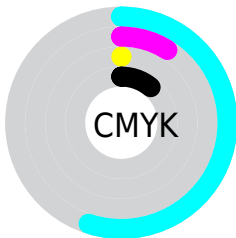
Distribution



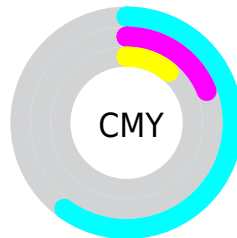
- Red (40%)
- Green (82%)
- Blue (89%)



- Red (40%)
- Yellow (63%)
- Blue (89%)



- Cyan (55%)
- Magenta (9%)
- Yellow (0%)
- Black (11%)



- Cyan (60%)
- Magenta (19%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 103, 160, 228 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 103, 160, 228 by changing the saturation by 10% instead.

 103, 160, 228

255, 255, 255


 163, 209, 255

 193, 224, 255

 222, 239, 255

253, 254, 255

 103, 160, 228


 71, 130, 200

 32, 97, 173

 0, 68, 146

 0, 55, 120

 0, 43, 95

 0, 31, 72

 0, 20, 49

 0, 2, 29

 0, 0, 0

■ 103, 160, 228

■ 103, 160, 228

■ 80, 147, 228

■ 126, 172, 228

■ 57, 135, 228

■ 149, 185, 228

■ 35, 123, 228

■ 171, 197, 228

■ 12, 110, 228

■ 194, 210, 228

■ 0, 104, 228

■ 217, 222, 228

■ 240, 230, 228

■ 255, 236, 228

■ 255, 242, 228

■ 255, 253, 228

Harmonies

Analogous

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



112, 164, 210



103, 160, 228



126, 173, 246

Triad

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



103, 160, 228



237, 175, 216



149, 206, 135

Complementary

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



103, 160, 228



228, 127, 103

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.



233, 224, 140



103, 160, 228



251, 172, 187

Square

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



103, 160, 228



207, 183, 239



249, 180, 159



147, 202, 175

Rectangle

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



103, 160, 228



153, 183, 251



249, 180, 159



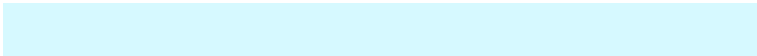
171, 216, 135

Sweetspot

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



103, 160, 228



214, 233, 255



103, 212, 228



103, 114, 128



0, 0, 0



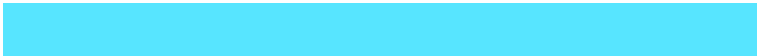
128, 128, 128

Same Dimension

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



103, 160, 228



87, 164, 255



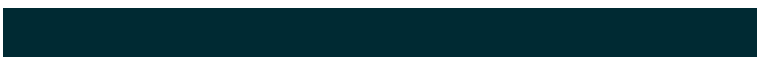
103, 136, 228



103, 108, 115



0, 82, 179



0, 23, 51

Inverse Universe

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



228, 103, 208



255, 87, 228



171, 228, 103



115, 103, 113



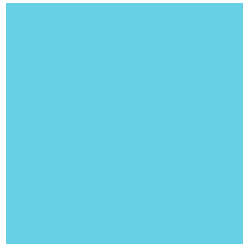
179, 0, 150



51, 0, 43

Previews

White Background



This preview shows how the RYB color 103, 160, 228 looks on a white background.

Color Contrast Check

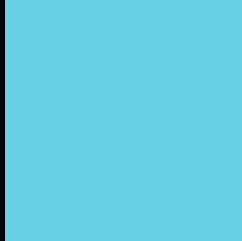
Large Text (above 18pt) WCAG AA × Fail

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 103, 160, 228 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 103, 160, 228 Background



This preview shows how black text looks on a background with the RYB color 103, 160, 228.

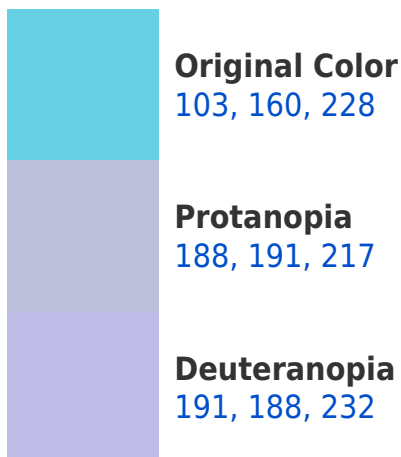


This preview shows how white text looks on a background with the RYB color 103, 160, 228.

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
102, 159, 225

Trichromacy



Original Color
103, 160, 228



Protanomaly
157, 182, 221



Deuteranomaly
159, 183, 231

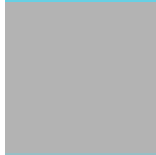


Tritanomaly
102, 159, 226

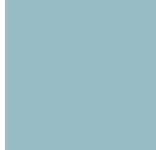
Monochromacy



Original Color
103, 160, 228



Achromatopsia
179, 179, 179



Achromatomaly
151, 172, 197

CSS Examples

Text

The CSS property to change the color of the text to RYB 103, 160, 228 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(103, 208, 228)` looks like.

```
.text, #text, p{  
    color:rgb(103, 208, 228)  
}
```

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(103, 208, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 208, 228) }
```

Border

The CSS property to change the border of an element to RYB 103, 160, 228 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(103, 208, 228) }
```

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

```
.border{ border-color:rgb(103, 208, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 208, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 208, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 208, 228);  
box-shadow:4px 4px 4px 4px rgb(103, 208,  
228) }
```

Background

The CSS property to change the background color of an element to RYB 103, 160, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 208, 228) }
```

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

```
.background{ background-color: rgb(103,  
208, 228) }
```

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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