

Converting Colors

`RYB(100, 172, 244)`

Have a look what the booklet for
RYB(100, 172, 244) contains.

RYB(100, 172, 244)	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(100, 172, 244)

Conversions

Conversions Part 1

Format	Color
Hex	64F4F4
RGB	100, 244, 244
RGB Percent	39%, 96%, 96%
CMY	0.6078, 0.0431, 0.0431
CMYK	0.59, 0.00, 0.00, 0.04
HSL	180°, 87%, 67%
HSV	180°, 59%, 96%
XYZ	53.9353, 73.9423, 97.0176
YIQ	200.9440, -85.8240, -30.5280

Conversions

Conversions Part 2

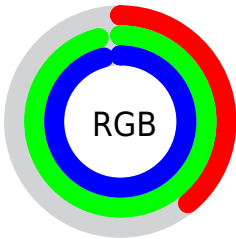
Format	Color
R_{YB}	100, 172, 244
Decimal	6616308
CIE _{Lab}	88.90, -38.18, -11.60
CIE _{LCh}	89, 39.907, 196.898
Yxy	73.9423, 0.2398, 0.3288
Android (android.graphics.Color)	4284806388 (0xFF64F4F4)
YUV	200.9440, 21.2266, -88.5279
Hunter-Lab	85.9897, -38.5215, -6.7009

Details

The RYB color **100, 172, 244** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **244, 100, 100**, and the grayscale version is **201, 201, 201**.

A 20% lighter version of the original color is **164, 210, 255**, and **0, 94, 188** is the 20% darker color. If you saturate the color by 10%, you get **76, 160, 244**, and if you desaturate by 10%, it is **124, 184, 244**.

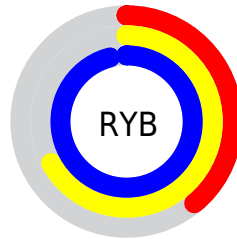
Distribution



Red (39%)

Green (96%)

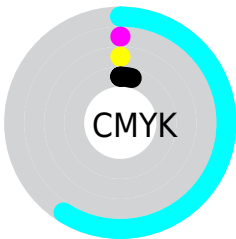
Blue (96%)



Red (39%)

Yellow (67%)

Blue (96%)

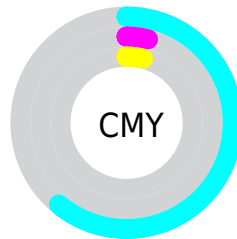


Cyan (59%)

Magenta (0%)

Yellow (0%)

Black (4%)



Cyan (61%)

Magenta (4%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 100, 172, 244 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 100, 172, 244 by changing the saturation by 10% instead.

 100, 172, 244


255, 255, 255

 164, 210, 255

 195, 225, 255

 226, 241, 255

 100, 172, 244

 63, 139, 216

 0, 94, 188

 0, 80, 161


 0, 67, 135

 0, 54, 109

 0, 42, 85


 0, 30, 62

 0, 19, 40


 0, 1, 20

 100, 172, 244


 100, 172, 244

 76, 160, 244

 124, 184, 244

 51, 148, 244

 149, 197, 244

 27, 136, 244

 173, 209, 244

 2, 123, 244

 198, 221, 244

 0, 122, 244

 222, 233, 244

 246, 244, 244

 255, 244, 244

Harmonies

Analogous

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



139, 203, 243



100, 172, 244



99, 173, 255

Triad

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



100, 172, 244



255, 206, 255



213, 255, 149

Complementary

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



100, 172, 244



244, 100, 100

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, 225, 169



100, 172, 244



255, 196, 242

Square

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



100, 172, 244



205, 216, 255



255, 195, 203



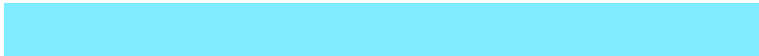
150, 228, 150

Rectangle

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



100, 172, 244



127, 186, 255



255, 195, 203



232, 255, 154

Sweetspot

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



100, 172, 244



209, 232, 255



100, 244, 244



99, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



100, 172, 244



74, 165, 255



100, 148, 244



110, 116, 122



0, 93, 186



0, 30, 59

Inverse Universe

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



244, 100, 244



255, 74, 255



244, 244, 100



122, 110, 122



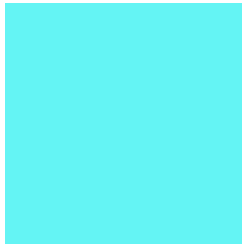
186, 0, 186



59, 0, 59

Previews

White Background



This preview shows how the RYB color 100, 172, 244 looks on a white background.

Color Contrast Check

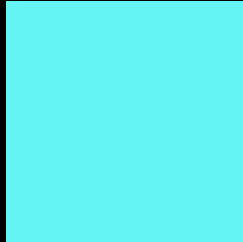
Large Text (above 18pt) WCAG AA × Fail

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 100, 172, 244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

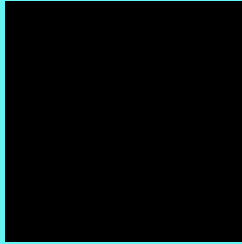
Any Text WCAG AA ✓ Pass

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 100, 172, 244 Background



This preview shows how black text looks on a background with the RYB color 100, 172, 244.

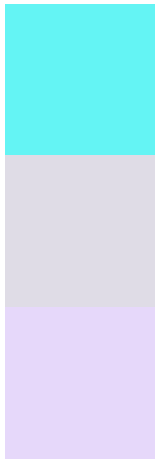


This preview shows how white text looks on a background with the RYB color 100, 172, 244.

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](#).

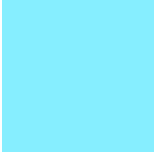
Dichromacy



Original Color
100, 172, 244

Protanopia
223, 220, 230

Deuteranopia
230, 216, 250



Tritanopia
134, 190, 255

Trichromacy



Original Color

100, 172, 244



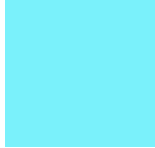
Protanomaly

178, 205, 235



Deuteranomaly

183, 209, 248



Tritanomaly

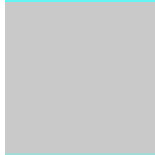
122, 184, 251

Monochromacy



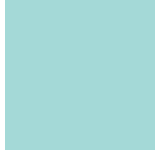
Original Color

100, 172, 244



Achromatopsia

201, 201, 201



Achromatomaly

164, 191, 217

CSS Examples

Text

The CSS property to change the color of the text to RYB 100, 172, 244 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(100, 244, 244)` looks like.

```
.text, #text, p{  
    color:rgb(100, 244, 244)  
}
```

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(100, 244, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 244, 244) }
```

Border

The CSS property to change the border of an element to RYB 100, 172, 244 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(100, 244, 244) }
```

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

```
.border{ border-color:rgb(100, 244, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 244, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 244, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 244, 244);  
box-shadow:4px 4px 4px 4px rgb(100, 244,  
244) }
```

Background

The CSS property to change the background color of an element to RYB 100, 172, 244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 244, 244) }
```

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

```
.background{ background-color: rgb(100,  
244, 244) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor