

Converting Colors

`RYB(172, 205, 240)`

Have a look what the booklet for
RYB(172, 205, 240) contains.

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Color

R_YB(172, 205, 240)

Conversions

Conversions Part 1

Format	Color
Hex	ACECF0
RGB	172, 236, 240
RGB Percent	67%, 93%, 94%
CMY	0.3255, 0.0741, 0.0588
CMYK	0.28, 0.02, 0.00, 0.06
HSL	183°, 69%, 81%
HSV	183°, 28%, 94%
XYZ	62.7698, 75.1187, 93.6291
YIQ	217.3200, -39.4280, -12.3240

Conversions

Conversions Part 2

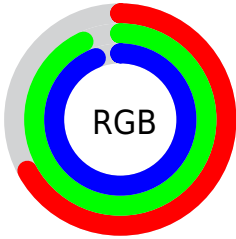
Format	Color
RYB	172, 205, 240
Decimal	11332848
CIELab	89.45, -19.10, -8.38
CIELCh	89, 20.858, 203.686
Yxy	75.1187, 0.2711, 0.3245
Android (android.graphics.Color)	4289522928 (0xFFACECF0)
YUV	217.3200, 11.1812, -39.7456
Hunter-Lab	86.6710, -22.3991, -3.3802

Details

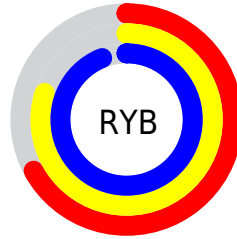
The RYB color **172, 205, 240** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **240, 176, 172**, and the grayscale version is **217, 217, 217**.

A 20% lighter version of the original color is **229, 242, 255**, and **117, 149, 184** is the 20% darker color. If you saturate the color by 10%, you get **148, 193, 240**, and if you desaturate by 10%, it is **196, 217, 240**.

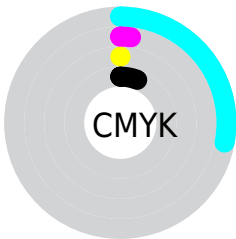
Distribution



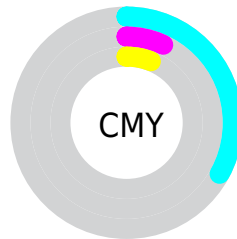
- Red (67%)
- Green (93%)
- Blue (94%)



- Red (67%)
- Yellow (80%)
- Blue (94%)



- Cyan (28%)
- Magenta (2%)
- Yellow (0%)
- Black (6%)



- Cyan (33%)
- Magenta (7%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 205, 240 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 172, 205, 240 by changing the saturation by 10% instead.

■ 172, 205, 240

255, 255, 255

■ 229, 242, 255

■ 172, 205, 240

■ 144, 177, 212

■ 117, 149, 184

■ 91, 123, 157

■ 64, 96, 131

■ 36, 70, 106

■ 0, 40, 82


■ 0, 28, 59

■ 0, 17, 37


■ 0, 1, 17

 172, 205, 240


 172, 205, 240

 148, 193, 240


 196, 217, 240

 124, 180, 240


 220, 230, 240

 100, 168, 240


 244, 240, 240

 76, 156, 240


 255, 242, 240

 52, 143, 240


 255, 244, 240

 28, 131, 240

 255, 245, 240

 4, 119, 240

 255, 250, 240

 0, 116, 240

 255, 253, 240

 253, 255, 240

Harmonies

Analogous

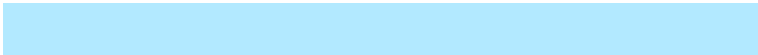
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



181, 213, 236



172, 205, 240



178, 210, 255

Triad

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



172, 205, 240



247, 215, 249



224, 245, 186

Complementary

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



172, 205, 240



240, 176, 172

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, 230, 193



172, 205, 240



255, 211, 230

Square

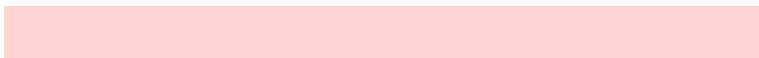
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



172, 205, 240



223, 221, 255



255, 212, 210



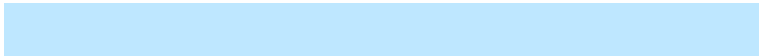
188, 228, 193

Rectangle

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



172, 205, 240



190, 215, 255



255, 212, 210



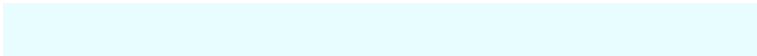
247, 251, 187

Sweetspot

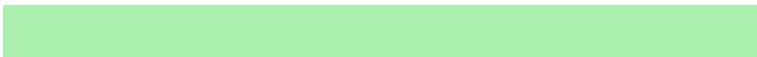
The Sweet Spot groups the original color and five complimentary colors.



172, 205, 240



232, 243, 255



172, 237, 240



113, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



172, 205, 240



168, 210, 255



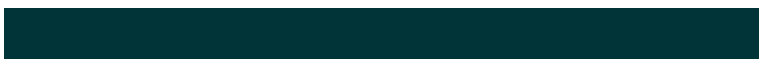
172, 193, 240



108, 114, 120



0, 89, 184



0, 27, 56

Inverse Universe

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



240, 172, 236



255, 168, 250



229, 240, 172



120, 108, 119



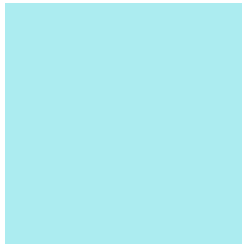
184, 0, 173



56, 0, 53

Previews

White Background



This preview shows how the RYB color 172, 205, 240 looks on a white background.

Color Contrast Check

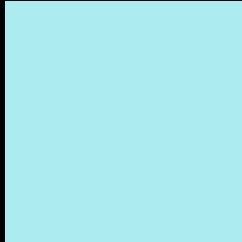
Large Text (above 18pt) WCAG AA × Fail

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 172, 205, 240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

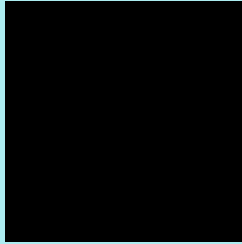
Any Text WCAG AA ✓ Pass

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 172, 205, 240 Background



This preview shows how black text looks on a background with the RYB color 172, 205, 240.



This preview shows how white text looks on a background with the RYB color 172, 205, 240.

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





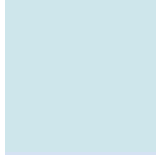
Tritanopia
175, 209, 253

Trichromacy



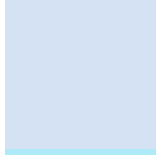
Original Color

172, 205, 240



Protanomaly

206, 219, 235



Deuteranomaly

213, 222, 243



Tritanomaly

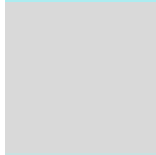
174, 207, 248

Monochromacy



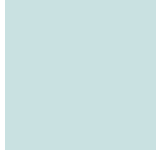
Original Color

172, 205, 240



Achromatopsia

217, 217, 217



Achromatomaly

201, 213, 225

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 205, 240 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(172, 236, 240)` looks like.

```
.text, #text, p{  
    color:rgb(172, 236, 240)  
}
```

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(172, 236, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 236, 240) }
```

Border

The CSS property to change the border of an element to RYB 172, 205, 240 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(172, 236, 240) }
```

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

```
.border{ border-color:rgb(172, 236, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 236, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 236, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 236, 240);  
box-shadow:4px 4px 4px 4px rgb(172, 236,  
240) }
```

Background

The CSS property to change the background color of an element to RYB 172, 205, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 236, 240) }
```

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

```
.background{ background-color: rgb(172,  
236, 240) }
```

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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