

Converting Colors

RGB(128, 228, 242)

Have a look what the booklet for
RGB(128, 228, 242) contains.

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Color

RGB(128, 228, 242)

Conversions

Conversions Part 1

Format	Color
Hex	80E4F2
RGB	128, 228, 242
RGB Percent	50%, 89%, 95%
CMY	0.4980, 0.1059, 0.0510
CMYK	0.47, 0.06, 0.00, 0.05
HSL	187°, 81%, 73%
HSV	187°, 47%, 95%
XYZ	52.6725, 66.4868, 94.0615
YIQ	199.6960, -64.0940, -16.8460

Conversions

Conversions Part 2

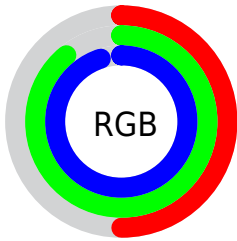
Format	Color
R_{YB}	128, 181, 242
Decimal	8447218
CIE _{Lab}	85.24, -25.70, -15.92
CIE _{LCh}	85, 30.234, 211.774
Yxy	66.4868, 0.2470, 0.3118
Android (android.graphics.Color)	4286637298 (0xFF80E4F2)
YUV	199.6960, 20.8559, -62.8774
Hunter-Lab	81.5394, -27.3873, -11.3176

Details

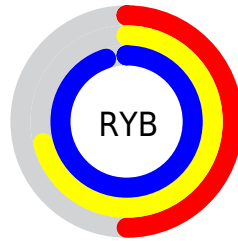
The RGB color **128, 228, 242** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **242, 142, 128**, and the grayscale version is **200, 200, 200**.

A 20% lighter version of the original color is **187, 255, 255**, and **67, 172, 186** is the 20% darker color. If you saturate the color by 10%, you get **104, 225, 242**, and if you desaturate by 10%, it is **152, 231, 242**.

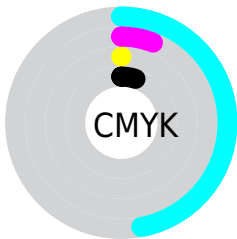
Distribution



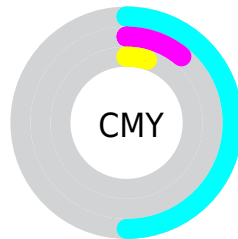
- Red (50%)
- Green (89%)
- Blue (95%)



- Red (50%)
- Yellow (71%)
- Blue (95%)



- Cyan (47%)
- Magenta (6%)
- Yellow (0%)
- Black (5%)



- Cyan (50%)
- Magenta (11%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RGB color 128, 228, 242 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 RGB color 128, 228, 242 by changing the saturation by 10% instead.

 128, 228, 242

255, 255, 255


 187, 255, 255


 216, 255, 255

 246, 255, 255

 128, 228, 242

 98, 200, 214

 67, 172, 186

 28, 146, 159

 0, 120, 133

 0, 95, 108

 0, 71, 83

 0, 48, 60

 0, 28, 38

 0, 1, 17

 128, 228, 242

 128, 228, 242

 104, 225, 242

 152, 231, 242

 80, 222, 242

 176, 234, 242

 55, 219, 242

 201, 237, 242

 31, 216, 242

 225, 240, 242

 7, 213, 242

 249, 243, 242

 0, 212, 242

 255, 246, 242

 255, 249, 242

 255, 252, 242

 255, 255, 242

Harmonies

Analogous

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



140, 229, 214



128, 228, 242



144, 223, 255

Triad

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



128, 228, 242



251, 196, 240



232, 212, 156

Complementary

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



128, 228, 242



242, 142, 128

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, 202, 164



128, 228, 242



255, 192, 212

Square

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



128, 228, 242



220, 205, 255



255, 195, 184



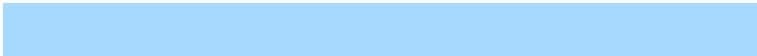
201, 220, 164

Rectangle

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



128, 228, 242



167, 218, 255



255, 195, 184



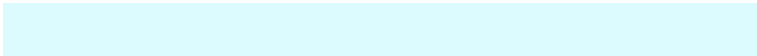
241, 208, 157

Sweetspot

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



128, 228, 242



219, 251, 255



128, 242, 141



106, 125, 128



0, 0, 0



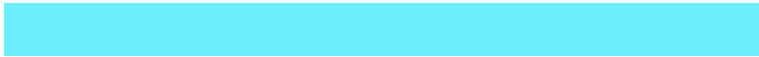
128, 128, 128

Same Dimension

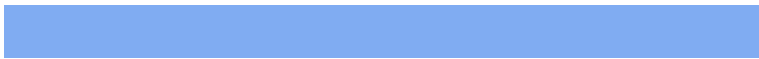
The Same Dimension uses a secret algorithm to generate beautiful new colors.



128, 228, 242



110, 237, 255



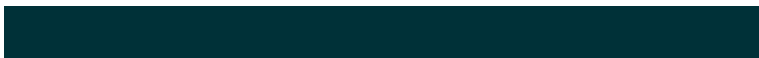
128, 172, 242



108, 118, 120



0, 161, 184



0, 49, 56

Inverse Universe

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



242, 128, 228



255, 110, 237



242, 198, 128



120, 108, 118



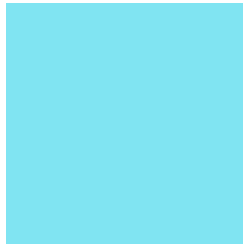
184, 0, 161



56, 0, 49

Previews

White Background



This preview shows how the RGB color 128, 228, 242 looks on a white background.

Color Contrast Check

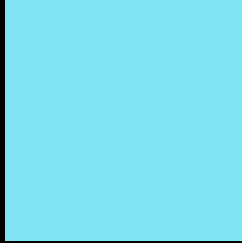
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 128, 228, 242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

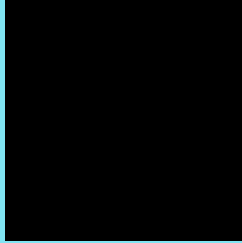
Any Text WCAG AA ✓ Pass

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](#).

RGB 128, 228, 242 Background



This preview shows how black text looks on a background with the RGB color 128, 228, 242.



This preview shows how white text looks on a background with the RGB color 128, 228, 242.

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





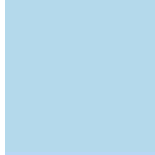
Tritanopia
129, 227, 246

Trichromacy



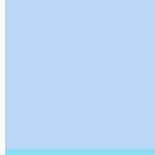
Original Color

128, 228, 242



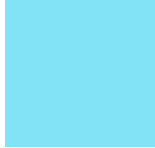
Protanomaly

180, 217, 235



Deuteranomaly

184, 215, 245



Tritanomaly

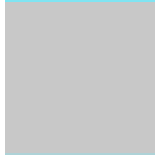
129, 227, 245

Monochromacy



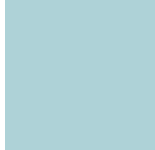
Original Color

128, 228, 242



Achromatopsia

200, 200, 200



Achromatomaly

174, 210, 215

CSS Examples

Text

The CSS property to change the color of the text to RGB 128, 228, 242 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(128, 228, 242)` looks like.

```
.text, #text, p{  
    color:rgb(128, 228, 242)  
}
```

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(128, 228, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 228, 242) }
```

Border

The CSS property to change the border of an element to RGB 128, 228, 242 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(128, 228, 242) }
```

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

```
.border{ border-color:rgb(128, 228, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 228, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 228, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 228, 242);  
box-shadow:4px 4px 4px 4px rgb(128, 228,  
242) }
```

Background

The CSS property to change the background color of an element to RGB 128, 228, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 228, 242) }
```

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

```
.background{ background-color: rgb(128,  
228, 242) }
```

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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