

# Converting Colors

Hex(2BBDE4)

Have a look what the booklet for  
Hex(2BBDE4) contains.

|  |    |
|--|----|
| <b>Hex(2BBDE4)</b> .....                       | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 11 |
| <b><i>Previews</i></b> .....                   | 23 |
| <b><i>Color Blindness Simulation</i></b> ..... | 26 |
| <b><i>CSS Examples</i></b> .....               | 29 |

# **Color**

**Hex(2BBDE4)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 2BBDE4                       |
| RGB         | 43, 189, 228                 |
| RGB Percent | 17%, 74%, 89%                |
| CMY         | 0.8314, 0.2588, 0.1059       |
| CMYK        | 0.81, 0.17, 0.00, 0.11       |
| HSL         | 193°, 77%, 53%               |
| HSV         | 193°, 81%, 89%               |
| XYZ         | 33.1974, 42.5102, 79.8544    |
| YIQ         | 149.7920, -99.5350, -18.8230 |

# Conversions

## Conversions Part 2

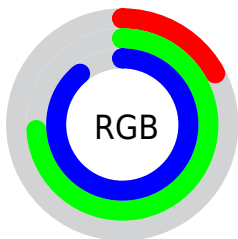
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 43, 125, 228                   |
| Decimal                             | 2866660                        |
| CIE Lab                             | 71.22, -23.83, -29.98          |
| CIE LCh                             | 71, 38.298, 231.517            |
| Yxy                                 | 42.5102, 0.2134,<br>0.2733     |
| Android<br>(android.graphics.Color) | 4281056740<br>(0xFF2BBDE4)     |
| YUV                                 | 149.7920, 38.5565,<br>-93.6566 |
| Hunter-Lab                          | 65.1999, -23.2139,<br>-26.9763 |

# Details

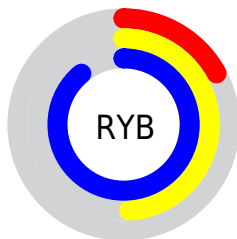
The Hex color **2BBDE4** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **E4522B**, and the grayscale version is **959595**.

A 20% lighter version of the original color is **78F5FF**, and **0087AC** is the 20% darker color. If you saturate the color by 10%, you get **14B8E4**, and if you desaturate by 10%, it is **42C2E4**.

# Distribution



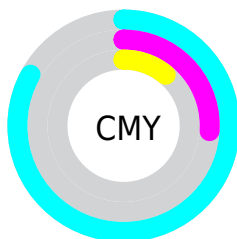
- Red (17%)
- Green (74%)
- Blue (89%)



- Red (17%)
- Yellow (49%)
- Blue (89%)



- Cyan (81%)
- Magenta (17%)
- Yellow (0%)
- Black (11%)



- Cyan (83%)
- Magenta (26%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2BBDE4 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 Hex color 2BBDE4 by changing the saturation by 10% instead.



 2BBDE4

 2BBDE4

FFFFFF

 00A2C8

 78F5FF

 0087AC

 98FFFF

 006E92

 B8FFFF

 005578

 D7FFFF

 003E5F

 F6FFFF

 002847

 000C31

 00011B

 000000

■ 2BBDE4

■ 2BBDE4

■ 14B8E4

■ 42C2E4

■ 00B4E4

■ 59C7E4

■ 6FCBE4

■ 86D0E4

■ 9DD5E4

■ B4DAE4

■ CBDFE4

■ E1E3E4

■ F8E8E4

# Harmonies

## Analogous

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



22C1C7



2BBDE4



6AB5F3

# Triad

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



2BBDE4



EC94BA



ACB46C

# Complementary

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



2BBDE4



E4522B

# 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.



CEA969



2BBDE4



F39497

# Square

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



2BBDE4



D19CDA



E79D79



84BC82

# Rectangle

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



2BBDE4



92ADF2



E79D79



B8B169

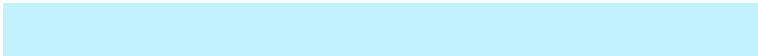


# Sweetspot

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



2BBDE4



C2F2FF



2BE450



5B7880



000000



808080

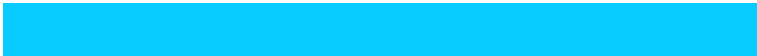


# Same Dimension

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



2BBDE4



08CBFF



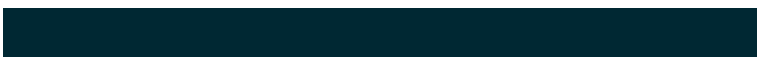
2B62E4



677073



008DB3



002833



# Inverse Universe

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



E42BBD



FF08CB



E4AD2B



736770



B3008D

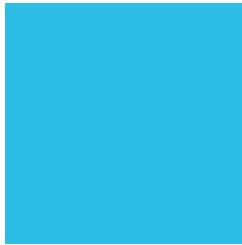


330028



# Previews

## White Background



This preview shows how the Hex color 2BBDE4 looks on a white background.

## Color Contrast Check

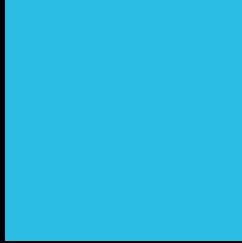
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 2BBDE4 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](#).



## Hex 2BBDE4 Background



This preview shows how black text looks on a background with the Hex color 2BBDE4.

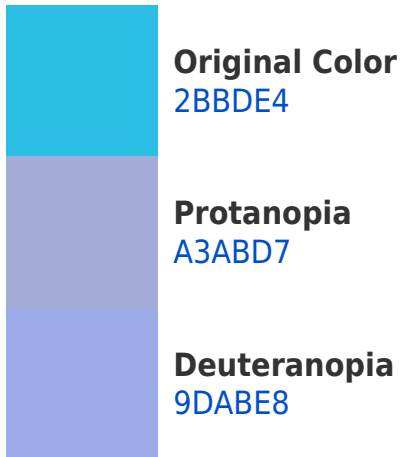


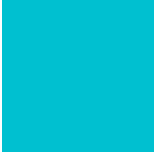
This preview shows how white text looks on a background with the Hex color 2BBDE4.

# Color Blindness Simulation

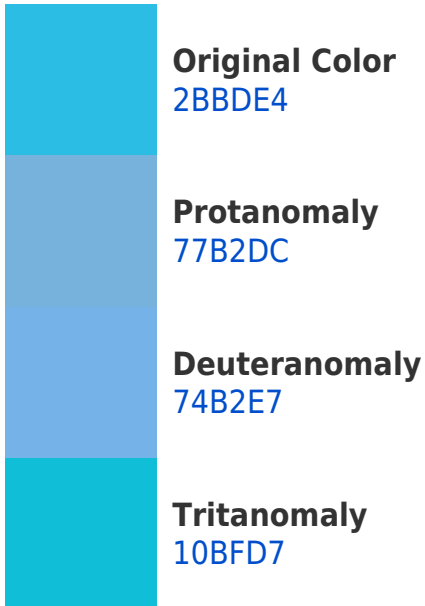
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2BBDE4 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 #2BBDE4 looks like.

```
.text, #text, p{  
    color:#2BBDE4  
}
```

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 #2BBDE4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2BBDE4
}
```

## Border

The CSS property to change the border of an element to Hex 2BBDE4 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
#2BBDE4 }
```

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

```
.border{ border-color:#2BBDE4 }
```

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

Here you see how a box with a 4 pixel #2BBDE4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2BBDE4; -webkit-box-shadow:4px 4px  
4px 4px #2BBDE4; box-shadow:4px 4px 4px  
4px #2BBDE4 }
```

# Background

The CSS property to change the background color of an element to Hex 2BBDE4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2BBDE4 }
```

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

```
.background{ background-color:#2BBDE4 }
```

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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