

# Converting Colors

Hex(40BCE5)

Have a look what the booklet for  
Hex(40BCE5) contains.

<b>Hex(40BCE5)</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(40BCE5)**

# Conversions

## Conversions Part 1

Format	Color
Hex	40BCE5
RGB	64, 188, 229
RGB Percent	25%, 74%, 90%
CMY	0.7490, 0.2627, 0.1020
CMYK	0.72, 0.18, 0.00, 0.10
HSL	195°, 76%, 57%
HSV	195°, 72%, 90%
XYZ	34.2404, 42.7136, 80.5686
YIQ	155.5980, -87.0650, -13.5370

# Conversions

## Conversions Part 2

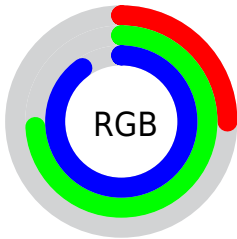
Format	Color
R <sub>Y</sub> B	64, 135, 229
Decimal	4242661
CIE Lab	71.36, -20.78, -30.28
CIE LCh	71, 36.722, 235.534
Yxy	42.7136, 0.2174, 0.2712
Android (android.graphics.Color)	4282432741 (0xFF40BCE5)
YUV	155.5980, 36.1872, -80.3314
Hunter-Lab	65.3556, -20.8545, -27.3422

# Details

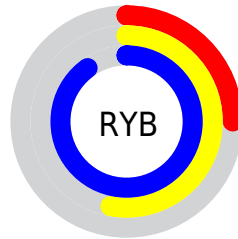
The Hex color **40BCE5** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **E56940**, and the grayscale version is **9B9B9B**.

A 20% lighter version of the original color is **84F4FF**, and **0087AD** is the 20% darker color. If you saturate the color by 10%, you get **29B6E5**, and if you desaturate by 10%, it is **57C2E5**.

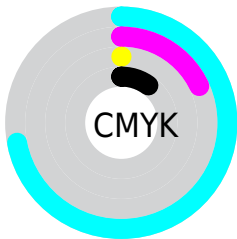
# Distribution



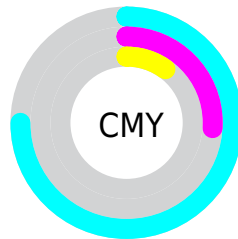
- Red (25%)
- Green (74%)
- Blue (90%)



- Red (25%)
- Yellow (53%)
- Blue (90%)



- Cyan (72%)
- Magenta (18%)
- Yellow (0%)
- Black (10%)



- Cyan (75%)
- Magenta (26%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 40BCE5 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 40BCE5 by changing the saturation by 10% instead.



 40BCE5

 40BCE5

FFFFFF

 00A1C9

 84F4FF

 0087AD

 A3FFFF

 006D93

 C2FFFF

 005579

 E0FFFF

 003D60

 002748

 000D31

 00011C

 000000

■ 40BCE5

■ 40BCE5

■ 29B6E5

■ 57C2E5

■ 12B1E5

■ 6EC7E5

■ 00ACE5

■ 85CDE5

■ 9CD3E5

■ B3D8E5

■ C9DEE5

■ E0E4E5

■ F7EAE5

■ FFEFE5

# Harmonies

## Analogous

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



2FC0CA



40BCE5



77B4F1

# Triad

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



40BCE5



EC95B5



A8B571

# Complementary

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



40BCE5



E56940

# 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.



CAAB6C



40BCE5



F09794

# Square

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



40BCE5



D49CD5



E39F79



81BD88

# Rectangle

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



40BCE5



9BACEF



E39F79



B4B26D

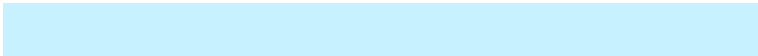


# Sweetspot

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



40BCE5



C7F1FF



40E567



5E7780



000000



808080



# Same Dimension

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



40BCE5



24C9FF



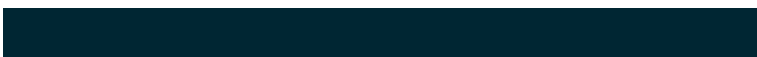
406CE5



677073



0086B3



002633



# Inverse Universe

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



E540BC



FF24C9



E5B940



736770



B30086

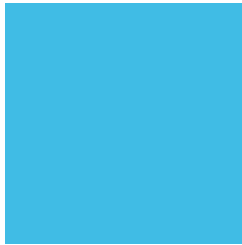


330026



# Previews

## White Background



This preview shows how the Hex color 40BCE5 looks on a white background.

## Color Contrast Check

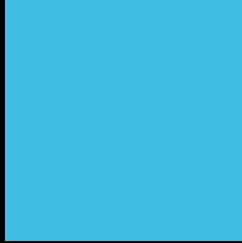
Large Text (above 18pt) WCAG AA × Fail

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 40BCE5 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 40BCE5 Background



This preview shows how black text looks on a background with the Hex color 40BCE5.

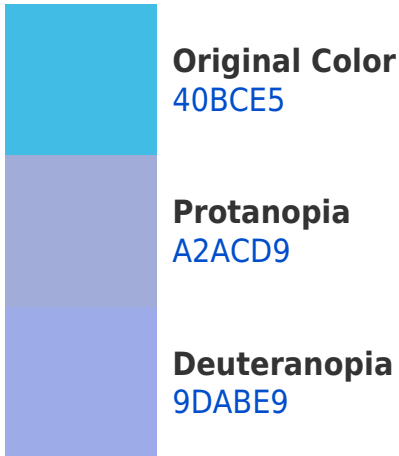


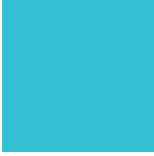
This preview shows how white text looks on a background with the Hex color 40BCE5.

# Color Blindness Simulation

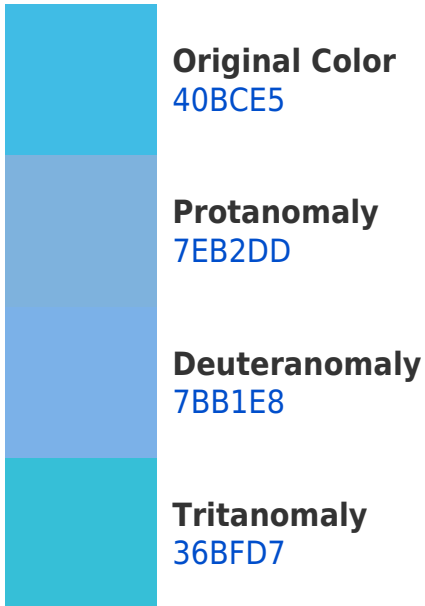
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

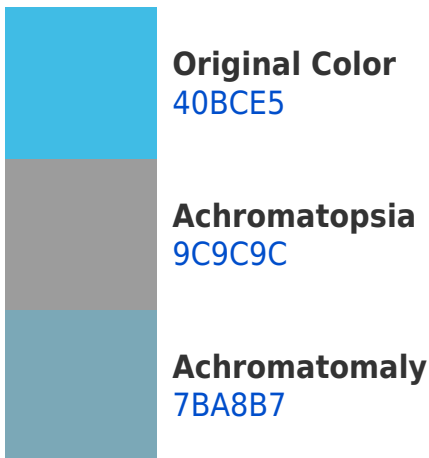




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 40BCE5 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 #40BCE5 looks like.

```
.text, #text, p{  
    color:#40BCE5  
}
```

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 #40BCE5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #40BCE5
}
```

## Border

The CSS property to change the border of an element to Hex 40BCE5 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
#40BCE5 }
```

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

```
.border{ border-color:#40BCE5 }
```

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

Here you see how a box with a 4 pixel #40BCE5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #40BCE5; -webkit-box-shadow:4px 4px  
4px 4px #40BCE5; box-shadow:4px 4px 4px  
4px #40BCE5 }
```

# Background

The CSS property to change the background color of an element to Hex 40BCE5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#40BCE5 }
```

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

```
.background{ background-color:#40BCE5 }
```

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