

# Converting Colors

Hex(75BBE4)

Have a look what the booklet for  
Hex(75BBE4) contains.

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# **Color**

**Hex(75BBE4)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75BBE4
RGB	117, 187, 228
RGB Percent	46%, 73%, 89%
CMY	0.5412, 0.2667, 0.1059
CMYK	0.49, 0.18, 0.00, 0.11
HSL	202°, 67%, 68%
HSV	202°, 49%, 89%
XYZ	39.1100, 44.9240, 80.0087
YIQ	170.7440, -54.8810, -2.0890

# Conversions

## Conversions Part 2

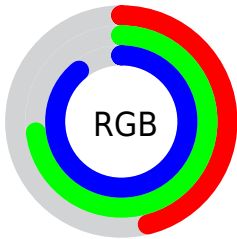
Format	Color
<a href="#">RYB</a>	117, 160, 228
Decimal	7715812
CIELab	72.84, -11.04, -27.30
CIELCh	73, 29.451, 247.975
Yxy	44.9240, 0.2384, 0.2739
Android (android.graphics.Color)	4285905892 (0xFF75BBE4)
YUV	170.7440, 28.2272, -47.1335
Hunter-Lab	67.0254, -13.1377, -23.8572

# Details

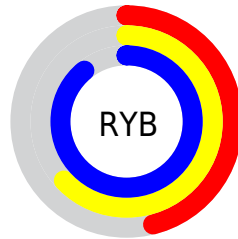
The Hex color **75BBE4** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **E49E75**, and the grayscale version is **ABABAB**.

A 20% lighter version of the original color is **AEF3FF**, and **3A86AC** is the 20% darker color. If you saturate the color by 10%, you get **5EB3E4**, and if you desaturate by 10%, it is **8CC3E4**.

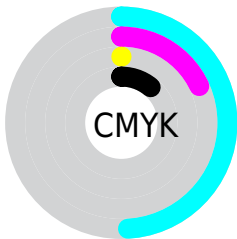
# Distribution



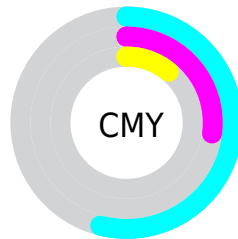
- Red (46%)
- Green (73%)
- Blue (89%)



- Red (46%)
- Yellow (63%)
- Blue (89%)



- Cyan (49%)
- Magenta (18%)
- Yellow (0%)
- Black (11%)



- Cyan (54%)
- Magenta (27%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 75BBE4 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 75BBE4 by changing the saturation by 10% instead.



■ 75BBE4

■ 75BBE4

FFFFFF

■ 58A0C8

■ AEF3FF

■ 3A86AC

■ CBFFFF

■ 126D92

■ E9FFFF

■ 005478

■ 003D5F

■ 002747

■ 001430

■ 00011B

■ 000000

 75BBE4

 75BBE4

 5EB3E4

 8CC3E4

 47AAE4

 A3CCE4

 31A2E4

 B9D4E4

 1A99E4

 D0DDE4

 0391E4

 E7E5E4

 0090E4

 FEEEE4

 FFF6E4

 FFFEE4

 FFFFE4

# Harmonies

## Analogous

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



5FC0D3



75BBE4



9BB3E8

# Triad

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



75BBE4



E89FAC



A1BB88

# Complementary

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



75BBE4



E49E75

# 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.



BFB37D



75BBE4



E6A293

# Square

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



75BBE4



DBA2C8



D7AA81



82C09E

# Rectangle

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



75BBE4



B4ACE2



D7AA81



ABB983

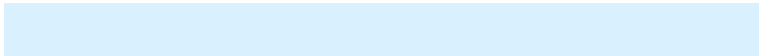


# Sweetspot

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



75BBE4



D9F1FF



75E49E



697780



000000



808080



# Same Dimension

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



75BBE4



6BC8FF



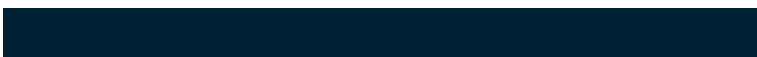
7584E4



676F73



0071B3



002033



# Inverse Universe

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



E475BB



FF6BC8



E4D575



73676F



B30071

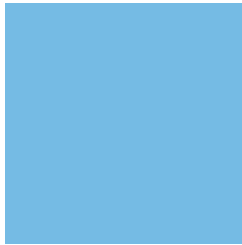


330020



# Previews

## White Background



This preview shows how the Hex color 75BBE4 looks on a white background.

## Color Contrast Check

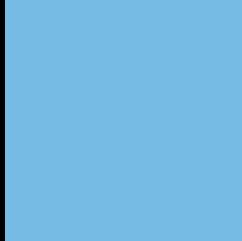
Large Text (above 18pt) WCAG AA × Fail

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 75BBE4 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

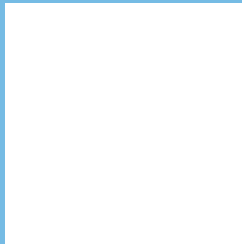
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 75BBE4 Background



This preview shows how black text looks on a background with the Hex color 75BBE4.

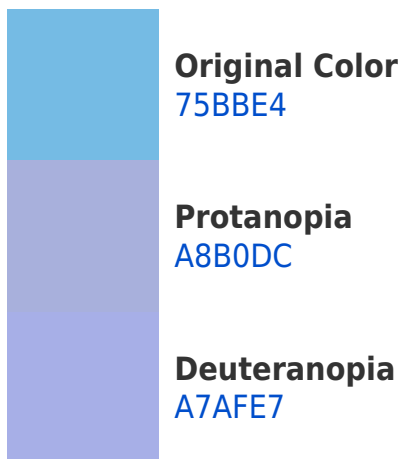


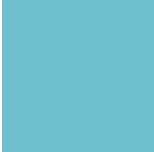
This preview shows how white text looks on a background with the Hex color 75BBE4.

# 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](#).

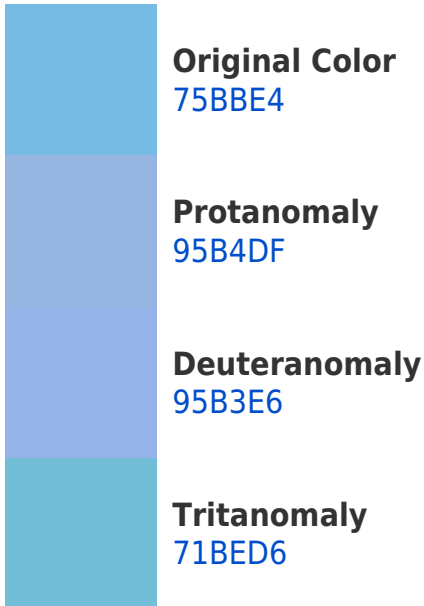
## Dichromacy



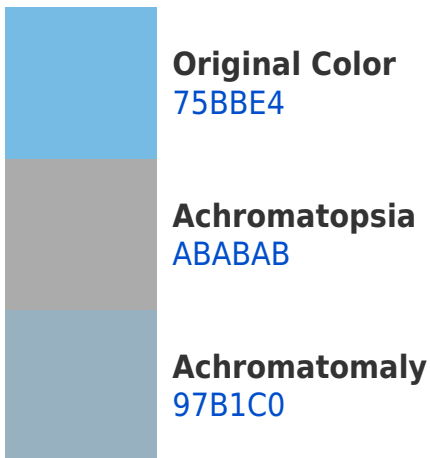


**Tritanopia**  
6EBFCE

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 75BBE4 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 #75BBE4 looks like.

```
.text, #text, p{  
    color:#75BBE4  
}
```

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 #75BBE4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #75BBE4
}
```

## Border

The CSS property to change the border of an element to Hex 75BBE4 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
#75BBE4 }
```

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

```
.border{ border-color:#75BBE4 }
```

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

Here you see how a box with a 4 pixel #75BBE4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #75BBE4; -webkit-box-shadow:4px 4px  
4px 4px #75BBE4; box-shadow:4px 4px 4px  
4px #75BBE4 }
```

# Background

The CSS property to change the background color of an element to Hex 75BBE4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#75BBE4 }
```

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

```
.background{ background-color:#75BBE4 }
```

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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