

# Converting Colors

Hex(55B0D5)

Have a look what the booklet for  
Hex(55B0D5) contains.

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# **Color**

**Hex(55B0D5)**

# Conversions

## Conversions Part 1

Format	Color
Hex	55B0D5
RGB	85, 176, 213
RGB Percent	33%, 69%, 84%
CMY	0.6667, 0.3098, 0.1647
CMYK	0.60, 0.17, 0.00, 0.16
HSL	197°, 60%, 58%
HSV	197°, 60%, 84%
XYZ	31.2819, 37.7861, 68.5955
YIQ	153.0090, -66.1130, -7.7850

# Conversions

## Conversions Part 2

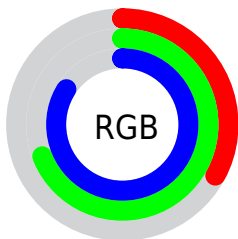
Format	Color
R <sub>Y</sub> B	85, 138, 213
Decimal	5615829
CIE Lab	67.86, -16.26, -26.86
CIE LCh	68, 31.401, 238.807
Yxy	37.7861, 0.2272, 0.2745
Android (android.graphics.Color)	4283805909 (0xFF55B0D5)
YUV	153.0090, 29.5756, -59.6439
Hunter-Lab	61.4704, -16.7356, -23.1331

# Details

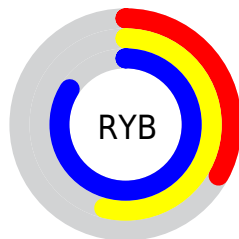
The Hex color **55B0D5** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **D57A55**, and the grayscale version is **999999**.

A 20% lighter version of the original color is **91E8FF**, and **007B9E** is the 20% darker color. If you saturate the color by 10%, you get **40AAD5**, and if you desaturate by 10%, it is **6AB6D5**.

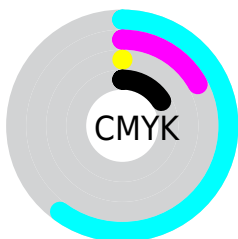
# Distribution



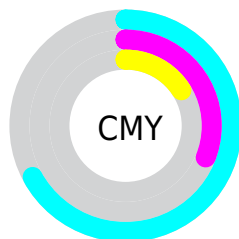
- Red (33%)
- Green (69%)
- Blue (84%)



- Red (33%)
- Yellow (54%)
- Blue (84%)



- Cyan (60%)
- Magenta (17%)
- Yellow (0%)
- Black (16%)



- Cyan (67%)
- Magenta (31%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 55B0D5 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 55B0D5 by changing the saturation by 10% instead.



 55B0D5

 55B0D5

FFFFFF

 3495B9

 91E8FF

 007B9E

 AEFFFF

 006284

 CCFFFF

 004B6B

 EAFFFF

 003452

 001F3B

 000225

 00010E

 000000

■ 55B0D5

■ 55B0D5

■ 40AAD5

■ 6AB6D5

■ 2AA4D5

■ 80BCD5

■ 159ED5

■ 95C2D5

■ 0097D5

■ AAC9D5

■ C0CFD5

■ D5D5D5

■ EADB D5

■ FFE1D5

■ FFE7D5

# Harmonies

## Analogous

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



46B4C0



55B0D5



7DA8DE

# Triad

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



55B0D5



DB90A8



9CAC73

# Complementary

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



55B0D5



D57A55

# 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.



BAA36D



55B0D5



DD928B

# Square

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



55B0D5



C895C3



D19A76



7BB287

# Rectangle

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



55B0D5



9AA2DB



D19A76



A7A96F

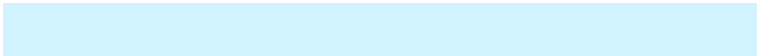


# Sweetspot

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



55B0D5



D1F2FF



55D579



637780



000000



808080



# Same Dimension

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



55B0D5



47CAFF



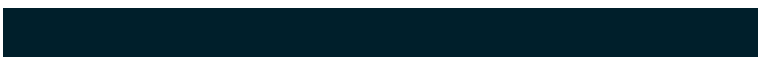
5571D5



60686B



0079AB



001F2B



# Inverse Universe

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



D555B0



FF47CA



D5B955



6B6068



AB0079

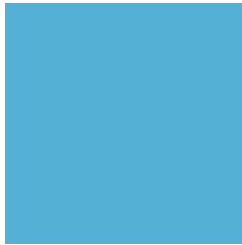


2B001F



# Previews

## White Background



This preview shows how the Hex color 55B0D5 looks on a white background.

## Color Contrast Check

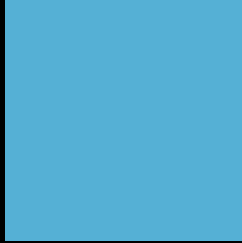
Large Text (above 18pt) WCAG AA × Fail

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 55B0D5 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 55B0D5 Background



This preview shows how black text looks on a background with the Hex color 55B0D5.

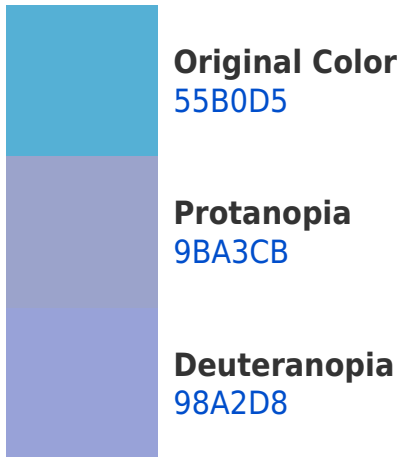


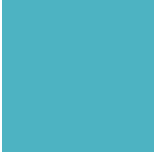
This preview shows how white text looks on a background with the Hex color 55B0D5.

# 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](#).

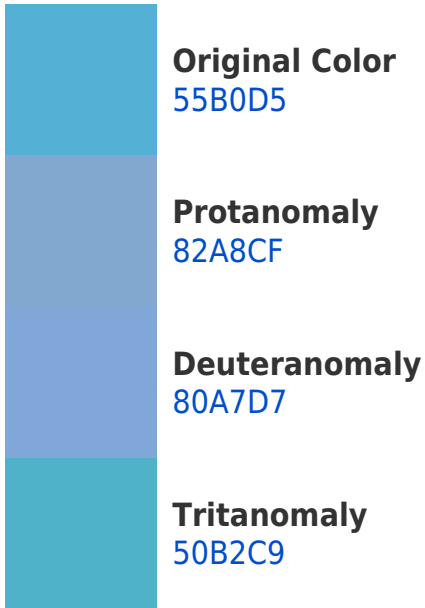
## Dichromacy



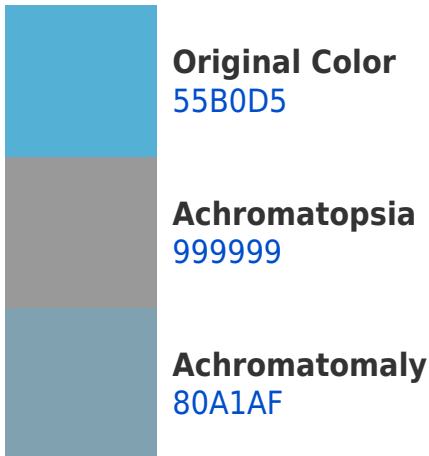


**Tritanopia**  
4DB3C2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 55B0D5 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 #55B0D5 looks like.

```
.text, #text, p{  
    color:#55B0D5  
}
```

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 #55B0D5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #55B0D5
}
```

## Border

The CSS property to change the border of an element to Hex 55B0D5 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
#55B0D5 }
```

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

```
.border{ border-color:#55B0D5 }
```

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

Here you see how a box with a 4 pixel #55B0D5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #55B0D5; -webkit-box-shadow:4px 4px  
4px 4px #55B0D5; box-shadow:4px 4px 4px  
4px #55B0D5 }
```

# Background

The CSS property to change the background color of an element to Hex 55B0D5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#55B0D5 }
```

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

```
.background{ background-color:#55B0D5 }
```

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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