

# Converting Colors

Hex(50A8E6)

Have a look what the booklet for  
Hex(50A8E6) contains.

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# **Color**

**Hex(50A8E6)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50A8E6
RGB	80, 168, 230
RGB Percent	31%, 66%, 90%
CMY	0.6863, 0.3412, 0.0980
CMYK	0.65, 0.27, 0.00, 0.10
HSL	205°, 75%, 61%
HSV	205°, 65%, 90%
XYZ	31.5938, 35.4239, 80.0352
YIQ	148.7560, -72.3500, 0.6260

# Conversions

## Conversions Part 2

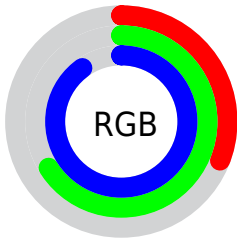
Format	Color
R <sub>Y</sub> B	80, 135, 230
Decimal	5286118
CIE Lab	66.08, -7.42, -38.98
CIE LCh	66, 39.685, 259.218
Yxy	35.4239, 0.2148, 0.2409
Android (android.graphics.Color)	4283476198 (0xFF50A8E6)
YUV	148.7560, 40.0533, -60.2990
Hunter-Lab	59.5180, -9.4036, -38.0661

# Details

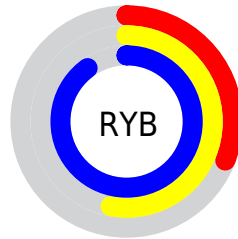
The Hex color **50A8E6** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **E68E50**, and the grayscale version is **949494**.

A 20% lighter version of the original color is **8FDFFF**, and **0074AE** is the 20% darker color. If you saturate the color by 10%, you get **399EE6**, and if you desaturate by 10%, it is **67B2E6**.

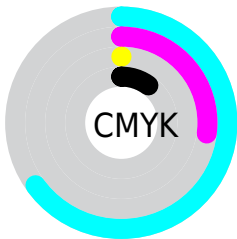
# Distribution



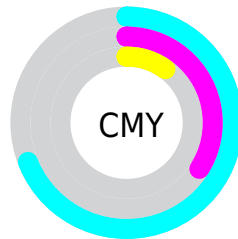
- Red (31%)
- Green (66%)
- Blue (90%)



- Red (31%)
- Yellow (53%)
- Blue (90%)



- Cyan (65%)
- Magenta (27%)
- Yellow (0%)
- Black (10%)



- Cyan (69%)
- Magenta (34%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 50A8E6 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 50A8E6 by changing the saturation by 10% instead.



■ 50A8E6

■ 50A8E6

FFFFFF

■ 2A8ECA

■ 8FDFFF

■ 0074AE

■ ADFCFF

■ 005C93

■ CBFFFF

■ 004479

■ E9FFFF

■ 002F60

■ 001B48

■ 000431

■ 00011B

■ 000000

■ 50A8E6

■ 50A8E6

■ 399EE6

■ 67B2E6

■ 2295E6

■ 7EBBE6

■ 0B8BE6

■ 95C5E6

■ 0087E6

■ ACCEE6

■ C3D8E6

■ DAE1E6

■ F1EBE6

■ FFF4E6

■ FFFEE6

# Harmonies

## Analogous

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



00B0D6



50A8E6



919CE4

# Triad

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



50A8E6



E6858B



78AE71

# Complementary

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



50A8E6



E68E50

# 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.



A0A65C



50A8E6



DB8E6C

# Square

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



50A8E6



DD86AF



C39A5A



46B392

# Rectangle

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



50A8E6



B393D8



C39A5A



86AC68

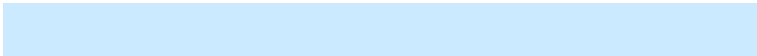


# Sweetspot

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



50A8E6



CCEAFF



50E68C



617380



000000



808080



# Same Dimension

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



50A8E6



38ADFF



505FE6



676E73



0069B3



001E33



# Inverse Universe

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



E650A8



FF38AD



E6D750



73676E



B30069



33001E



# Previews

## White Background



This preview shows how the Hex color 50A8E6 looks on a white background.

## Color Contrast Check

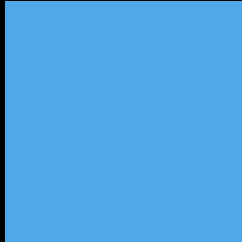
Large Text (above 18pt) WCAG AA × Fail

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 50A8E6 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

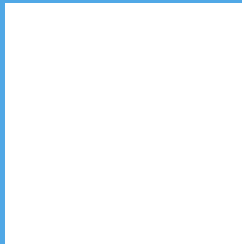
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 50A8E6 Background



This preview shows how black text looks on a background with the Hex color 50A8E6.

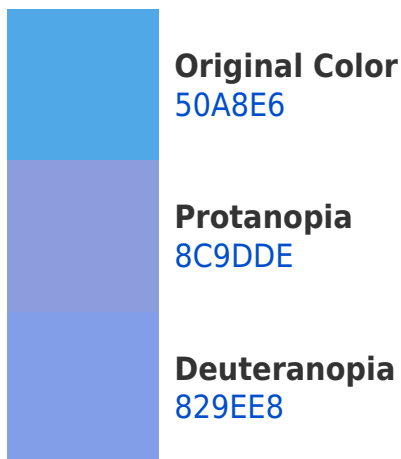


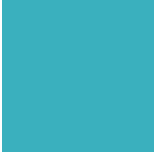
This preview shows how white text looks on a background with the Hex color 50A8E6.

# Color Blindness Simulation

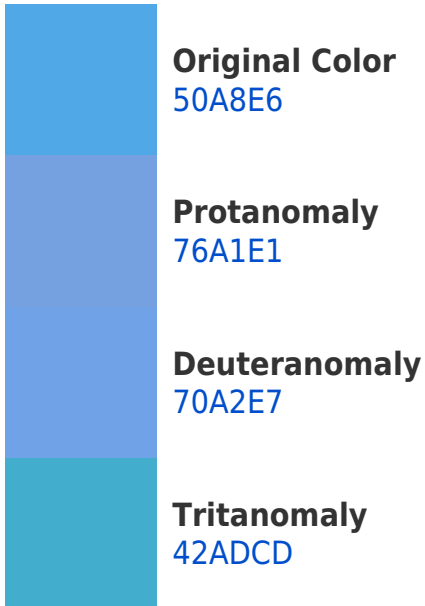
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

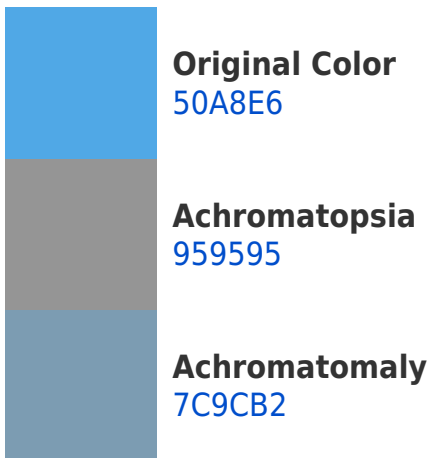




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 50A8E6 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 #50A8E6 looks like.

```
.text, #text, p{  
    color:#50A8E6  
}
```

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 #50A8E6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #50A8E6
}
```

## Border

The CSS property to change the border of an element to Hex 50A8E6 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
#50A8E6 }
```

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

```
.border{ border-color:#50A8E6 }
```

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

Here you see how a box with a 4 pixel #50A8E6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #50A8E6; -webkit-box-shadow:4px 4px  
4px 4px #50A8E6; box-shadow:4px 4px 4px  
4px #50A8E6 }
```

# Background

The CSS property to change the background color of an element to Hex 50A8E6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#50A8E6 }
```

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

```
.background{ background-color:#50A8E6 }
```

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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