

# Converting Colors

XYZ(50.8967, 52.5813, 88.4785)

Have a look what the booklet for  
XYZ(50.8967, 52.5813, 88.4785)  
contains.

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# Color

**XYZ(50.8598, 52.4184,  
88.3261)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAC0EE
RGB	170, 192, 238
RGB Percent	67%, 75%, 93%
CMY	0.3333, 0.2470, 0.0667
CMYK	0.29, 0.19, 0.00, 0.07
HSL	221°, 67%, 80%
HSV	221°, 29%, 93%
XYZ	50.8598, 52.4184, 88.3261
YIQ	190.6660, -27.8780, 9.6420

# Conversions

## Conversions Part 2

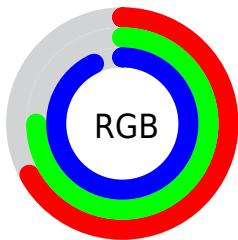
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 187, 238
Decimal	11190510
CIE Lab	77.53, 2.78, -25.27
CIE LCh	78, 25.419, 276.278
Yxy	52.4184, 0.2654, 0.2736
Android (android.graphics.Color)	4289380590 (0xFFAAC0EE)
YUV	190.6660, 23.3357, -18.1241
Hunter-Lab	72.4006, -1.3086, -21.6513

# Details

The XYZ color **50.8598, 52.4184, 88.3261** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.0722, 70.1916, 48.0449**, and the grayscale version is **49.2101, 51.7728, 56.3806**.

A 20% lighter version of the original color is **82.9814, 90.5236, 107.7069**, and **24.8786, 25.5556, 47.8775** is the 20% darker color. If you saturate the color by 10%, you get **42.8295, 43.3159, 86.9933**, and if you desaturate by 10%, it is **60.2115, 62.7786, 89.8338**.

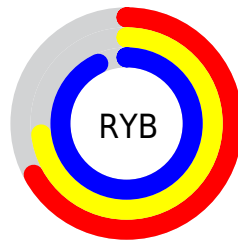
# Distribution



Red (67%)

Green (75%)

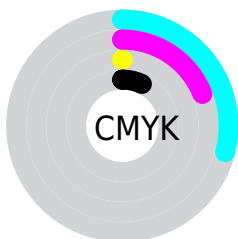
Blue (93%)



Red (67%)

Yellow (73%)

Blue (93%)

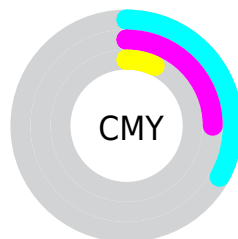


Cyan (29%)

Magenta (19%)

Yellow (0%)

Black (7%)



Cyan (33%)

Magenta (25%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8598, 52.4184, 88.3261 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 XYZ color 50.8598, 52.4184, 88.3261 by changing the saturation by 10% instead.



■ 50.8598, 52.4184,  
88.3261

■ 50.8598, 52.4184,  
88.3261

380.4155,  
396.0497, 542.9995

■ 36.3176, 37.3387,  
66.0273

■ 90.6317, 93.7480,  
146.9262

■ 24.8509, 25.4698,  
47.8379

116.5922,  
120.7667, 184.0646

■ 16.0941, 16.4274,  
33.3395

147.0895,  
152.5338, 226.9866

■ 9.6820, 9.8271,  
22.1134

182.4889,  
189.4337, 276.1107

■ 5.2493, 5.2845,  
13.7411

223.1559,  
231.8509, 331.8555

■ 2.4305, 2.4151,  
7.8042

269.4557,

■ 0.8604, 0.8337,

280.1697, 394.6396

3.8839

321.7538,  
334.7745, 464.8814

■ 0.0000, 0.0000,  
1.5619

■ 0.0000, 0.0000,  
0.2634

■ 50.8598, 52.4184,  
88.3261

■ 50.8598, 52.4184,  
88.3261

■ 42.8295, 43.3159,  
86.9933

■ 60.2115, 62.7786,  
89.8338

■ 36.0530, 35.4141,  
85.8252

■ 70.9379, 74.4379,  
91.5190

■ 30.4637, 28.6608,  
84.8163

■ 83.0955, 87.4434,  
93.3885

■ 25.9869, 22.9967,  
83.9590

■ 92.4328, 98.9531,  
95.1180

■ 22.5380, 18.3566,  
83.2451

■ 20.0191, 14.6668,  
82.6657

■ 18.2936, 11.8314,  
82.2094

■ 18.0871, 11.4817,  
82.1527

# Harmonies

## Analogous

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



46.1261, 52.4184, 85.5218



50.8598, 52.4184, 88.3261



55.6091, 52.4184, 81.7150

# Triad

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



50.8598, 52.4184, 88.3261



57.8122, 52.4184, 42.5478



41.6827, 52.4184, 46.8906

# Complementary

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



50.8598, 52.4184, 88.3261



67.0722, 70.1916, 48.0449

# 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.



44.4513, 52.4184, 37.9643



50.8598, 52.4184, 88.3261



53.7104, 52.4184, 35.7594

# Square

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



50.8598, 52.4184, 88.3261



59.7891, 52.4184, 54.1739



48.7986, 52.4184, 34.2305



41.0293, 52.4184, 60.0773



# Rectangle

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



50.8598, 52.4184, 88.3261



58.0788, 52.4184, 73.4081



48.7986, 52.4184, 34.2305



42.3875, 52.4184, 43.3638

# Sweetspot

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



50.8615, 52.4205, 88.3273



82.3509, 86.3960, 106.9435



59.4619, 74.6197, 75.7850



17.2147, 18.0476, 22.8262



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



50.8615, 52.4205, 88.3273



54.0818, 55.2166, 102.4152



48.9430, 44.7881, 86.9552



15.3148, 16.0638, 20.0150



10.1947, 6.6136, 45.8671



0.9350, 0.7240, 3.8447



# Inverse Universe

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



59.1504, 50.7338, 56.5465



65.3020, 53.3777, 59.2960



69.4048, 80.3291, 49.8787



15.9836, 15.8432, 17.4699



20.4714, 10.4610, 5.1331

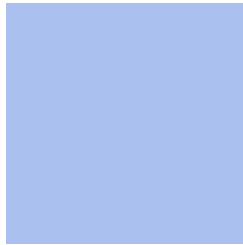


1.7469, 0.8878, 0.6581



# Previews

## White Background



This preview shows how the XYZ color 50.8598, 52.4184, 88.3261 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

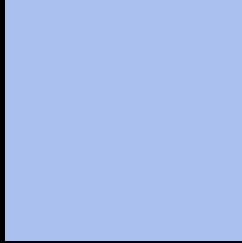
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.8598, 52.4184, 88.3261 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

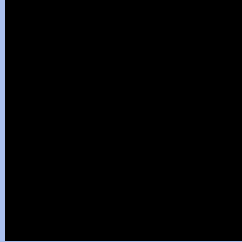
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

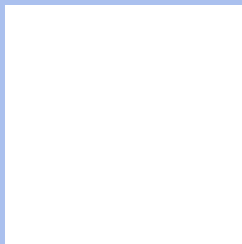
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 50.8598, 52.4184, 88.3261

## Background



This preview shows how black text looks on a background with the XYZ color 50.8598, 52.4184, 88.3261.



This preview shows how white text looks on a background with the XYZ color 50.8598, 52.4184,



# 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



### Original Color

50.8598, 52.4184, 88.3261

### Protanopia

52.1603, 52.1546, 86.6746

### Deuteranopia

53.3579, 52.0869, 88.9029



## Tritanopia

47.3670, 52.6853, 69.9601

# Trichromacy



## Original Color

50.8598, 52.4184, 88.3261

## Protanomaly

51.6040, 52.1714, 87.4710

## Deuteranomaly

52.6000, 52.3305, 88.9898

## Tritanomaly

48.5026, 52.4662, 75.9772

# Monochromacy



## Original Color

50.8598, 52.4184, 88.3261

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

49.5444, 51.8829, 67.0776

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.8598, 52.4184, 88.3261 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 `rgb(170, 192, 238)` looks like.

```
.text, #text, p{  
    color:rgb(170, 192, 238)  
}
```

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 rgb(170, 192, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 192, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 50.8598, 52.4184, 88.3261 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 rgb(170, 192, 238) }
```



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

```
.border{ border-color:rgb(170, 192, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 192, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 192, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 192, 238);  
box-shadow:4px 4px 4px 4px rgb(170, 192,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.8598, 52.4184, 88.3261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 192, 238) }
```

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

```
.background{ background-color: rgb(170,  
192, 238) }
```

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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