

# Converting Colors

XYZ(51.8184, 55.9869, 86.6727)

Have a look what the booklet for  
XYZ(51.8184, 55.9869, 86.6727)  
contains.

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# Color

**XYZ(51.8184, 55.9869,  
86.6727)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A7C9EB
RGB	167, 201, 235
RGB Percent	65%, 79%, 92%
CMY	0.3451, 0.2117, 0.0784
CMYK	0.29, 0.14, 0.00, 0.08
HSL	210°, 63%, 79%
HSV	210°, 29%, 92%
XYZ	51.8184, 55.9869, 86.6727
YIQ	194.7100, -31.1780, 3.3660

# Conversions

## Conversions Part 2

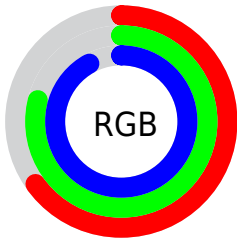
Format	Color
<a href="#">RYB</a>	<a href="#">167, 190, 235</a>
Decimal	<a href="#">10996203</a>
CIELab	<a href="#">79.61, -3.63, -20.52</a>
CIELCh	<a href="#">80, 20.836, 259.955</a>
Yxy	<a href="#">55.9869, 0.2664, 0.2879</a>
Android (android.graphics.Color)	<a href="#">4289186283</a> ( <a href="#">0xFFA7C9EB</a> )
YUV	<a href="#">194.7100, 19.8630, -24.3017</a>
Hunter-Lab	<a href="#">74.8244, -7.3255, -16.3014</a>

# Details

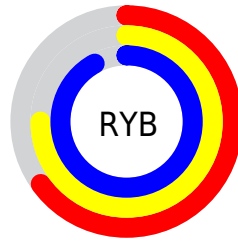
The XYZ color **51.8184, 55.9869, 86.6727** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.1236, 62.2262, 45.2974**, and the grayscale version is **51.5996, 54.2868, 59.1183**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **25.3805, 27.6328, 46.6438** is the 20% darker color. If you saturate the color by 10%, you get **44.6629, 48.3875, 85.5840**, and if you desaturate by 10%, it is **60.0890, 64.4748, 87.8761**.

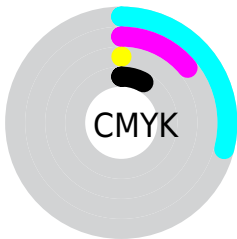
# Distribution



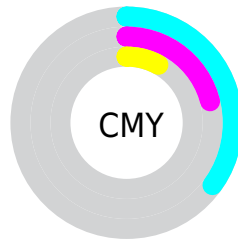
- Red (65%)
- Green (79%)
- Blue (92%)



- Red (65%)
- Yellow (75%)
- Blue (92%)



- Cyan (29%)
- Magenta (14%)
- Yellow (0%)
- Black (8%)



- Cyan (35%)
- Magenta (21%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8184, 55.9869, 86.6727 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 51.8184, 55.9869, 86.6727 by changing the saturation by 10% instead.



■ 51.8184, 55.9869,  
86.6727

■ 51.8184, 55.9869,  
86.6727

384.0706,  
409.6421, 537.4350

■ 37.0840, 40.1924,  
64.6663

■ 92.0392, 98.9854,  
144.6027

■ 25.4465, 27.6886,  
46.7409

■ 118.2563,  
126.9583, 181.3634

■ 16.5405, 18.0911,  
32.4780

149.0317,  
159.7593, 223.8792

■ 10.0007, 11.0154,  
21.4590

184.7308,  
197.7730, 272.5688

■ 5.4617, 6.0772,  
13.2655

225.7188,  
241.3838, 327.8506

■ 2.5581, 2.8921,  
7.4787

272.3613,

■ 0.9247, 1.0756,

290.9759, 390.1432

3.6803

325.0234,  
346.9339, 459.8652

■ 0.0000, 0.0000,  
1.4516

■ 0.0000, 0.0000,  
0.1815

■ 51.8184, 55.9869,  
86.6727

■ 51.8184, 55.9869,  
86.6727

■ 44.6629, 48.3875,  
85.5840

■ 60.0890, 64.4748,  
87.8761

■ 38.5637, 41.6355,  
84.6022

■ 69.5192, 73.8769,  
89.1938

■ 33.4643, 35.6959,  
83.7245

■ 80.1572, 84.2259,  
90.6307

■ 29.3000, 30.5278,  
82.9464

■ 89.8036, 94.3942,  
92.0850

■ 25.9977, 26.0860,  
82.2631

■ 91.9956, 98.7782,  
92.8156

■ 23.4718, 22.3182,  
81.6690

■ 21.5948, 19.1502,  
81.1564

■ 21.4160, 18.8390,  
81.1058

# Harmonies

## Analogous

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



48.1878, 55.9869, 80.4243



51.8184, 55.9869, 86.6727



56.0163, 55.9869, 85.3724

# Triad

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



51.8184, 55.9869, 86.6727



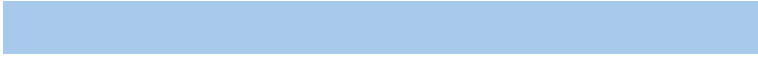
61.1671, 55.9869, 53.4065



47.2709, 55.9869, 47.2642

# Complementary

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



51.8184, 55.9869, 86.6727



62.1236, 62.2262, 45.2974

# 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.



50.5065, 55.9869, 41.7112



51.8184, 55.9869, 86.6727



58.5778, 55.9869, 44.9210

# Square

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



51.8184, 55.9869, 86.6727



61.5639, 55.9869, 65.0817



54.6342, 55.9869, 40.9138



45.6552, 55.9869, 57.0165



# Rectangle

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



51.8184, 55.9869, 86.6727



58.5674, 55.9869, 80.4523



54.6342, 55.9869, 40.9138



48.1969, 55.9869, 44.9019

# Sweetspot

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



51.8201, 55.9891, 86.6740



83.5530, 88.8003, 107.3442



56.0558, 71.7972, 65.4671



17.5101, 18.6383, 22.9246



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

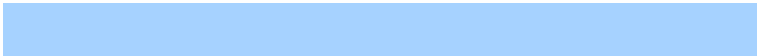


# Same Dimension

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



51.8201, 55.9891, 86.6740



56.8633, 61.5795, 103.4968



44.9605, 42.2698, 84.3874



14.8535, 15.7934, 19.1878



12.0466, 10.7401, 45.1811



1.0422, 1.0358, 3.5799



# Inverse Universe

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



58.6237, 49.5183, 61.7288



66.5107, 53.1136, 67.9657



70.6220, 79.2230, 48.1302



15.3796, 15.1797, 17.2843



20.9358, 10.5770, 10.7295

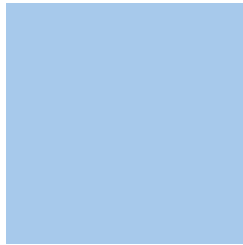


1.6925, 0.8500, 1.0982



# Previews

## White Background



This preview shows how the XYZ color 51.8184, 55.9869, 86.6727 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

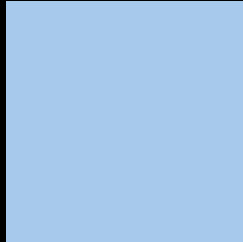
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.8184, 55.9869, 86.6727 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

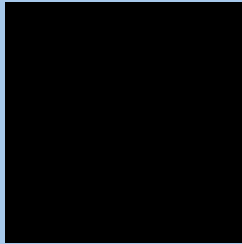
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

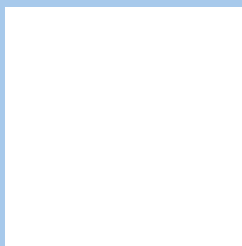
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 51.8184, 55.9869, 86.6727**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.8184, 55.9869, 86.6727.



This preview shows how white text looks on a background with the XYZ color 51.8184, 55.9869,



# 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

51.8184, 55.9869, 86.6727

### Protanopia

55.1741, 55.7469, 83.4535

### Deuteranopia

56.9006, 55.5495, 87.8439



## Tritanopia

49.8210, 56.2456, 75.9408

# Trichromacy



## Original Color

51.8184, 55.9869, 86.6727

## Protanomaly

53.8231, 55.7038, 84.2591

## Deuteranomaly

54.6630, 55.4006, 87.1692

## Tritanomaly

50.4636, 56.1474, 79.4120

# Monochromacy



## Original Color

51.8184, 55.9869, 86.6727

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

51.6067, 54.8999, 68.8496

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.8184, 55.9869, 86.6727 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(167, 201, 235)` looks like.

```
.text, #text, p{  
    color:rgb(167, 201, 235)  
}
```

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(167, 201, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 201, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 51.8184, 55.9869, 86.6727 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(167, 201, 235) }
```



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

```
.border{ border-color:rgb(167, 201, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 201, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 201, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 201, 235);  
box-shadow:4px 4px 4px 4px rgb(167, 201,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.8184, 55.9869, 86.6727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 201, 235) }
```

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

```
.background{ background-color: rgb(167,  
201, 235) }
```

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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