

# Converting Colors

XYZ(52.5720, 56.4060, 88.4007)

Have a look what the booklet for  
XYZ(52.5720, 56.4060, 88.4007)  
contains.

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# Color

**XYZ(52.5349, 56.3227,  
88.2233)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A9C9ED
RGB	169, 201, 237
RGB Percent	66%, 79%, 93%
CMY	0.3372, 0.2117, 0.0706
CMYK	0.29, 0.15, 0.00, 0.07
HSL	212°, 65%, 80%
HSV	212°, 29%, 93%
XYZ	52.5349, 56.3227, 88.2233
YIQ	195.5360, -30.6280, 4.4120

# Conversions

## Conversions Part 2

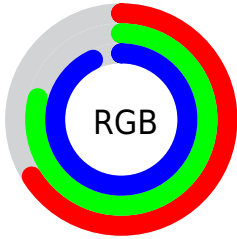
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 191, 237
Decimal	11127277
CIELab	79.80, -2.58, -21.29
CIELCh	80, 21.442, 263.083
Yxy	56.3227, 0.2666, 0.2858
Android (android.graphics.Color)	4289317357 (0xFFA9C9ED)
YUV	195.5360, 20.4418, -23.2721
Hunter-Lab	75.0485, -6.3824, -17.1645

# Details

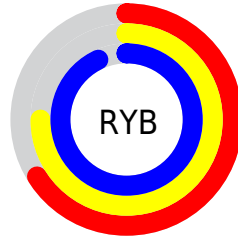
The XYZ color **52.5349, 56.3227, 88.2233** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.9187, 64.5324, 46.6248**, and the grayscale version is **52.0878, 54.8004, 59.6776**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **25.8444, 27.8485, 47.7292** is the 20% darker color. If you saturate the color by 10%, you get **45.0978, 48.3239, 87.0723**, and if you desaturate by 10%, it is **61.1360, 65.2789, 89.4996**.

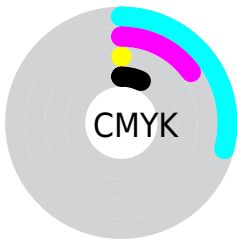
# Distribution



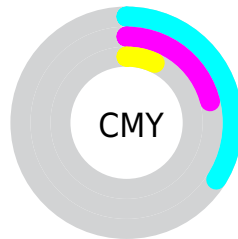
- Red (66%)
- Green (79%)
- Blue (93%)



- Red (66%)
- Yellow (75%)
- Blue (93%)



- Cyan (29%)
- Magenta (15%)
- Yellow (0%)
- Black (7%)



- Cyan (34%)
- Magenta (21%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.5349, 56.3227, 88.2233 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 52.5349, 56.3227, 88.2233 by changing the saturation by 10% instead.



■ 52.5349, 56.3227,  
88.2233

■ 52.5349, 56.3227,  
88.2233

386.7883,  
410.9065, 542.6545

■ 37.6576, 40.4617,  
65.9426

■ 93.0892, 99.4762,  
146.7819

■ 25.8931, 27.8987,  
47.7696

119.4969,  
127.5376, 183.8968

■ 16.8759, 18.2493,  
33.2858

150.4788,  
160.4345, 226.7937

■ 10.2408, 11.1291,  
22.0726

186.4002,  
198.5514, 275.8909

■ 5.6224, 6.1538,  
13.7114

227.6265,  
242.2726, 331.6070

■ 2.6553, 2.9388,  
7.7838

274.5230,

■ 0.9742, 1.0999,

291.9826, 394.3607

3.8711

327.4552,  
348.0658, 464.5703

■ 0.0000, 0.0000,  
1.5549

■ 0.0000, 0.0000,  
0.2583

■ 52.5349, 56.3227,  
88.2233

■ 52.5349, 56.3227,  
88.2233

■ 45.0978, 48.3239,  
87.0723

■ 61.1360, 65.2789,  
89.4996

■ 38.7640, 41.2388,  
86.0386

■ 70.9473, 75.2205,  
90.9015

■ 33.4747, 35.0296,  
85.1189

■ 82.0189, 86.1825,  
92.4338

■ 29.1632, 29.6529,  
84.3083

■ 91.0829, 96.4878,  
93.9452

■ 25.7539, 25.0602,  
83.6015

■ 92.2863, 98.8945,  
94.3463

■ 23.1587, 21.1961,  
82.9924

■ 21.2500, 17.9844,  
82.4731

■ 21.0293, 17.6005,  
82.4107

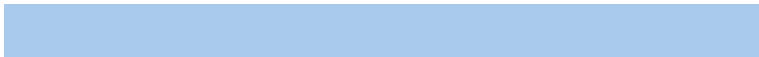
# Harmonies

## Analogous

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



48.6783, 56.3227, 82.4720



52.5349, 56.3227, 88.2233



56.8697, 56.3227, 86.0265

# Triad

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



52.5349, 56.3227, 88.2233



61.5774, 56.3227, 52.4303



47.1384, 56.3227, 48.0691

# Complementary

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



52.5349, 56.3227, 88.2233



63.9187, 64.5324, 46.6248

# 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.



50.3295, 56.3227, 41.8733



52.5349, 56.3227, 88.2233



58.7003, 56.3227, 44.1437

# Square

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



52.5349, 56.3227, 88.2233



62.2462, 56.3227, 64.2476



54.5437, 56.3227, 40.5399



45.6735, 56.3227, 58.4940



# Rectangle

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



52.5349, 56.3227, 88.2233



59.4339, 56.3227, 80.4765



54.5437, 56.3227, 40.5399



48.0362, 56.3227, 45.4833

# Sweetspot

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



52.5367, 56.3249, 88.2246



83.3508, 88.3959, 107.2768



57.5628, 73.3707, 68.3401



17.4603, 18.5387, 22.9080



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

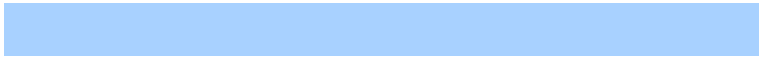


# Same Dimension

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



52.5367, 56.3249, 88.2246



57.0879, 61.2287, 103.4172



46.0819, 43.0529, 86.0030



14.8157, 15.7179, 19.1752



11.6102, 9.8674, 45.0356



1.0073, 0.9660, 3.5682



# Inverse Universe

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



59.6571, 50.5991, 61.8830



66.8193, 53.9847, 67.2861



71.9946, 81.2441, 49.4249



15.3605, 15.1721, 17.1839



20.7156, 10.4889, 9.5696

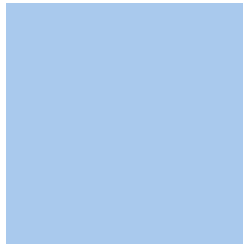


1.6749, 0.8429, 1.0055



# Previews

## White Background



This preview shows how the XYZ color 52.5349, 56.3227, 88.2233 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

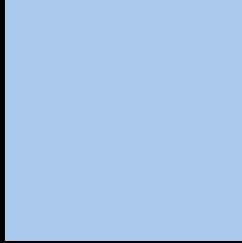
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.5349, 56.3227, 88.2233 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

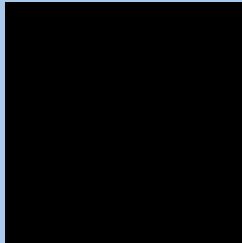
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

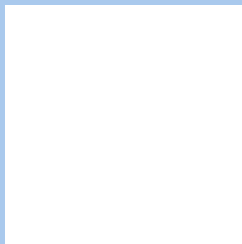
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 52.5349, 56.3227, 88.2233**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.5349, 56.3227, 88.2233.



This preview shows how white text looks on a background with the XYZ color 52.5349, 56.3227,



# 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

52.5349, 56.3227, 88.2233

### Protanopia

55.6831, 56.3102, 85.0249

### Deuteranopia

57.4149, 56.1077, 89.4651



## Tritanopia

50.0282, 56.3524, 75.9505

# Trichromacy



## Original Color

52.5349, 56.3227, 88.2233

## Protanomaly

54.3368, 56.2738, 85.8400

## Deuteranomaly

55.4222, 56.0920, 88.7947

## Tritanomaly

50.8093, 56.3098, 80.1425

# Monochromacy



## Original Color

52.5349, 56.3227, 88.2233

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

52.2017, 55.5304, 69.5951

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.5349, 56.3227, 88.2233 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(169, 201, 237)` looks like.

```
.text, #text, p{  
    color:rgb(169, 201, 237)  
}
```

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(169, 201, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 201, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 52.5349, 56.3227, 88.2233 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(169, 201, 237) }
```



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

```
.border{ border-color:rgb(169, 201, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 201, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 201, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 201, 237);  
box-shadow:4px 4px 4px 4px rgb(169, 201,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.5349, 56.3227, 88.2233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 201, 237) }
```

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

```
.background{ background-color: rgb(169,  
201, 237) }
```

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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