

# Converting Colors

XYZ(50.5573, 53.3451, 92.1398)

Have a look what the booklet for  
XYZ(50.5573, 53.3451, 92.1398)  
contains.

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# Color

**XYZ(50.8179, 53.6323,  
92.4677)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A2C4F3
RGB	162, 196, 243
RGB Percent	64%, 77%, 95%
CMY	0.3647, 0.2314, 0.0471
CMYK	0.33, 0.19, 0.00, 0.05
HSL	215°, 77%, 79%
HSV	215°, 33%, 95%
XYZ	50.8179, 53.6323, 92.4677
YIQ	191.1920, -35.3510, 7.4090

# Conversions

## Conversions Part 2

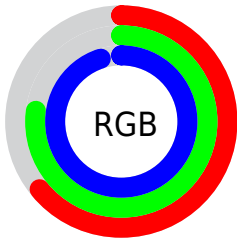
Format	Color
R <sub>Y</sub> B	162, 186, 243
Decimal	10667251
CIE Lab	78.25, -0.42, -26.90
CIE LCh	78, 26.906, 269.105
Yxy	53.6323, 0.2581, 0.2724
Android (android.graphics.Color)	4288857331 (0xFFA2C4F3)
YUV	191.1920, 25.5413, -25.6014
Hunter-Lab	73.2341, -4.2966, -23.5976

# Details

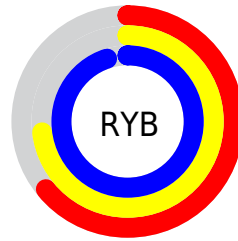
The XYZ color **50.8179, 53.6323, 92.4677** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.2853, 67.2652, 43.6740**, and the grayscale version is **49.5052, 52.0833, 56.7187**.

A 20% lighter version of the original color is **82.3887, 92.5306, 108.1256**, and **24.8270, 26.1220, 50.7472** is the 20% darker color. If you saturate the color by 10%, you get **43.3184, 45.2657, 91.2490**, and if you desaturate by 10%, it is **59.5736, 63.0926, 93.8332**.

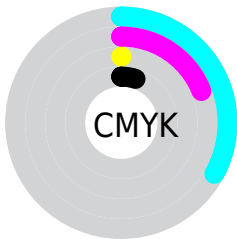
# Distribution



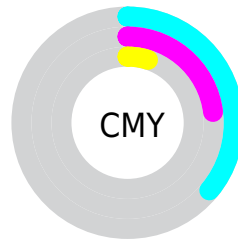
- Red (64%)
- Green (77%)
- Blue (95%)



- Red (64%)
- Yellow (73%)
- Blue (95%)



- Cyan (33%)
- Magenta (19%)
- Yellow (0%)
- Black (5%)



- Cyan (36%)
- Magenta (23%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8179, 53.6323, 92.4677 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 50.8179, 53.6323, 92.4677 by changing the saturation by 10% instead.



■ 50.8179, 53.6323,  
92.4677

■ 50.8179, 53.6323,  
92.4677

380.2552,  
400.7063, 556.8018

■ 36.2842, 38.3078,  
69.4440

■ 90.5701, 95.5341,  
152.7268

■ 24.8249, 26.2216,  
50.5994

■ 116.5193,  
122.8802, 190.7992

■ 16.0747, 16.9895,  
35.5153

147.0044,  
155.0023, 234.7249

■ 9.6682, 10.2270,  
23.7734

182.3907,  
192.2848, 284.9224

■ 5.2401, 5.5497,  
14.9550

223.0436,  
235.1120, 341.8103

■ 2.4250, 2.5733,  
8.6415

269.3284,

■ 0.8576, 0.9133,

283.8684, 405.8072

4.4145

321.6105,  
338.9384, 477.3315

■ 0.0000, 0.0000,  
1.8554

■ 0.0000, 0.0000,  
0.4641

■ 50.8179, 53.6323,  
92.4677

■ 50.8179, 53.6323,  
92.4677

■ 43.3184, 45.2657,  
91.2490

■ 59.5736, 63.0926,  
93.8332

■ 37.0064, 37.9416,  
90.1680

■ 69.6388, 73.6822,  
95.3467

■ 31.8144, 31.6138,  
89.2202

■ 81.0700, 85.4426,  
97.0142

■ 27.6652, 26.2290,  
88.3996

■ 92.3549, 97.6052,  
98.7670

■ 24.4703, 21.7277,  
87.6991

■ 93.1778, 99.2511,  
99.0413

■ 22.1237, 18.0405,  
87.1111

■ 20.9295, 15.9745,  
86.7752

# Harmonies

## Analogous

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



45.9501, 53.6323, 86.9928



50.8179, 53.6323, 92.4677



56.0631, 53.6323, 87.5849

# Triad

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



50.8179, 53.6323, 92.4677



60.3476, 53.6323, 45.3925



42.7690, 53.6323, 44.7325

# Complementary

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



50.8179, 53.6323, 92.4677



66.2853, 67.2652, 43.6740

# 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.



46.2061, 53.6323, 36.5414



50.8179, 53.6323, 92.4677



56.3555, 53.6323, 36.8738

# Square

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



50.8179, 53.6323, 92.4677



61.7888, 53.6323, 58.8506



51.1342, 53.6323, 33.9291



41.5043, 53.6323, 57.9447



# Rectangle

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



50.8179, 53.6323, 92.4677



59.0220, 53.6323, 79.5200



51.1342, 53.6323, 33.9291



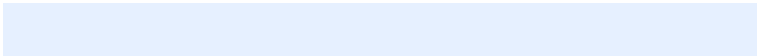
43.6964, 53.6323, 41.3901

# Sweetspot

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



50.8196, 53.6344, 92.4689



81.7431, 86.4007, 106.9764



58.3251, 76.3329, 71.2712



17.1230, 18.1072, 22.8425



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.



50.8196, 53.6344, 92.4689



50.8853, 53.3892, 102.2309



45.1206, 40.5726, 90.2481



16.1528, 17.0699, 20.9860



11.6132, 9.0201, 47.6670



1.1199, 0.9912, 4.2225



# Inverse Universe

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



59.8478, 48.8826, 58.5077



62.5741, 48.0196, 58.0855



73.6991, 84.8189, 46.6715



16.7877, 16.5979, 18.6286



21.6663, 11.0100, 8.2171

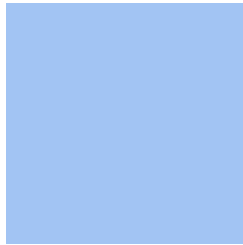


1.9543, 0.9877, 0.9860



# Previews

## White Background



This preview shows how the XYZ color 50.8179, 53.6323, 92.4677 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

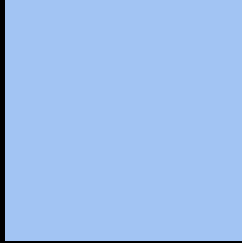
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.8179, 53.6323, 92.4677 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

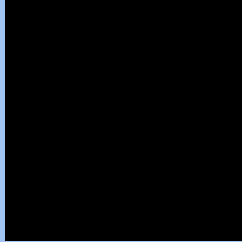
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

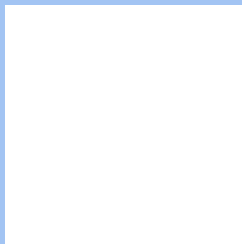
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 50.8179, 53.6323, 92.4677**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.8179, 53.6323, 92.4677.



This preview shows how white text looks on a background with the XYZ color 50.8179, 53.6323,



# 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

50.8179, 53.6323, 92.4677

### Protanopia

53.6504, 53.4980, 89.9365

### Deuteranopia

54.5343, 53.2411, 92.9902



## Tritanopia

47.1213, 53.8510, 73.5564

# Trichromacy



## Original Color

50.8179, 53.6323, 92.4677

## Protanomaly

52.6263, 53.6048, 90.7921

## Deuteranomaly

53.3102, 53.5780, 93.1198

## Tritanomaly

48.2514, 53.6069, 79.7556

# Monochromacy



## Original Color

50.8179, 53.6323, 92.4677

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

49.5252, 52.4964, 68.4953

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.8179, 53.6323, 92.4677 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(162, 196, 243)` looks like.

```
.text, #text, p{  
    color:rgb(162, 196, 243)  
}
```

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(162, 196, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 196, 243) }
```

## Border

The CSS property to change the border of an element to XYZ 50.8179, 53.6323, 92.4677 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(162, 196, 243) }
```



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

```
.border{ border-color:rgb(162, 196, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 196, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 196, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 196, 243);  
box-shadow:4px 4px 4px 4px rgb(162, 196,  
243) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.8179, 53.6323, 92.4677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 196, 243) }
```

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

```
.background{ background-color: rgb(162,  
196, 243) }
```

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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