

# Converting Colors

XYZ(52.3640, 56.2340, 99.5216)

Have a look what the booklet for  
XYZ(52.3640, 56.2340, 99.5216)  
contains.

<b>XYZ(52.4377, 56.3742, 99.3843)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(52.4377, 56.3742,  
99.3843)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DCAFB
RGB	157, 202, 251
RGB Percent	62%, 79%, 98%
CMY	0.3843, 0.2078, 0.0157
CMYK	0.37, 0.20, 0.00, 0.02
HSL	211°, 92%, 80%
HSV	211°, 37%, 98%
XYZ	52.4377, 56.3742, 99.3843
YIQ	194.1310, -42.5490, 5.6990

# Conversions

## Conversions Part 2

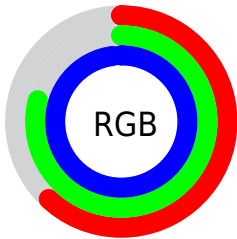
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 187, 251
Decimal	10341115
CIELab	79.83, -2.96, -28.79
CIELCh	80, 28.940, 264.127
Yxy	56.3742, 0.2519, 0.2708
Android (android.graphics.Color)	4288531195 (0xFF9DCAFB)
YUV	194.1310, 28.0364, -32.5639
Hunter-Lab	75.0828, -6.7306, -25.9221

# Details

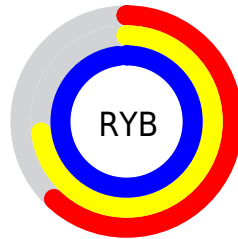
The XYZ color **52.4377, 56.3742, 99.3843** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.9418, 67.0872, 41.2682**, and the grayscale version is **51.2145, 53.8816, 58.6771**.

A 20% lighter version of the original color is **81.5416, 93.0361, 108.2678**, and **25.8070, 27.8996, 55.0639** is the 20% darker color. If you saturate the color by 10%, you get **45.0938, 48.2236, 98.1991**, and if you desaturate by 10%, it is **61.0515, 65.5683, 100.7059**.

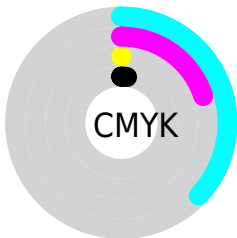
# Distribution



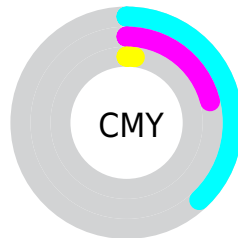
- Red (62%)
- Green (79%)
- Blue (98%)



- Red (62%)
- Yellow (73%)
- Blue (98%)



- Cyan (37%)
- Magenta (20%)
- Yellow (0%)
- Black (2%)



- Cyan (38%)
- Magenta (21%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4377, 56.3742, 99.3843 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 52.4377, 56.3742, 99.3843 by changing the saturation by 10% instead.



■ 52.4377, 56.3742,  
99.3843

■ 52.4377, 56.3742,  
99.3843

386.4203,  
411.1002, 579.4467

■ 37.5798, 40.5030,  
75.1724

■ 92.9468, 99.5515,  
162.3553

■ 25.8324, 27.9310,  
55.2516

■ 119.3288,  
127.6264, 201.9515

■ 16.8303, 18.2736,  
39.2032

150.2827,  
160.5380, 247.5129

■ 10.2081, 11.1466,  
26.6088

186.1740,  
198.6707, 299.4580

■ 5.6005, 6.1655,  
17.0498

227.3681,  
242.4088, 358.2054

■ 2.6421, 2.9460,  
10.1077

274.2303,

■ 0.9674, 1.1036,

292.1369, 424.1737

5.3639

327.1259,  
348.2392, 497.7812

■ 0.0000, 0.0000,  
2.3999

■ 0.0000, 0.0000,  
0.7864

■ 52.4377, 56.3742,  
99.3843

■ 52.4377, 56.3742,  
99.3843

■ 45.0938, 48.2236,  
98.1991

■ 61.0515, 65.5683,  
100.7059

■ 38.9458, 41.0652,  
97.1415

■ 70.9925, 75.8410,  
102.1648

■ 33.9200, 34.8522,  
96.2071

■ 82.3212, 87.2336,  
103.7667

■ 29.9311, 29.5304,  
95.3901

■ 94.2022, 99.3240,  
105.4742

■ 26.8798, 25.0377,  
94.6838

■ 94.4128, 99.7451,  
105.5444

■ 24.6382, 21.2969,  
94.0799

■ 24.1489, 20.4373,  
93.9398

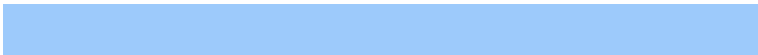
# Harmonies

## Analogous

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



47.2493, 56.3742, 91.4049



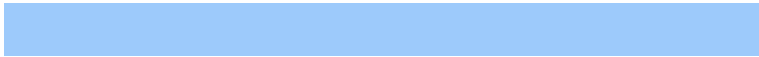
52.4377, 56.3742, 99.3843



58.3188, 56.3742, 95.7771

# Triad

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



52.4377, 56.3742, 99.3843



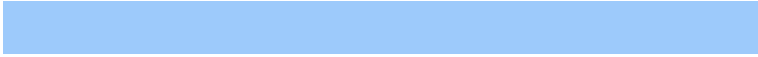
64.5323, 56.3742, 49.1186



44.9639, 56.3742, 44.3539

# Complementary

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



52.4377, 56.3742, 99.3843



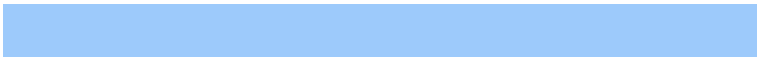
67.9418, 67.0872, 41.2682

# 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.



49.1088, 56.3742, 36.3990



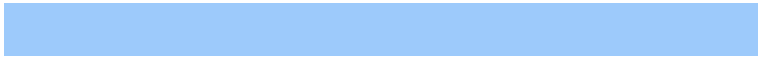
52.4377, 56.3742, 99.3843



60.4567, 56.3742, 38.7788

# Square

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



52.4377, 56.3742, 99.3843



65.5847, 56.3742, 64.7422



54.7428, 56.3742, 34.5615

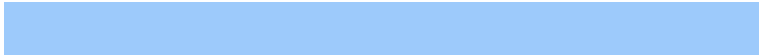


43.1410, 56.3742, 58.1400



# Rectangle

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



52.4377, 56.3742, 99.3843



61.8125, 56.3742, 87.5686



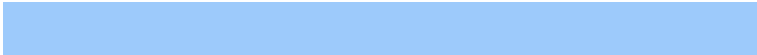
54.7428, 56.3742, 34.5615



46.1166, 56.3742, 41.0176

# Sweetspot

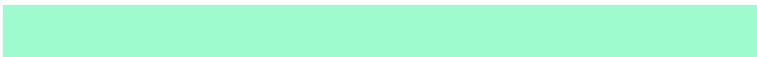
The Sweet Spot groups the original color and five complimentary colors.



52.4395, 56.3764, 99.3856



80.9844, 86.0860, 106.9557



59.4912, 80.5989, 70.5401



16.9897, 18.0804, 22.8444



0.0000, 0.0000, 0.0000

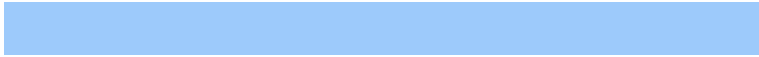


20.3446, 21.4041, 23.3091

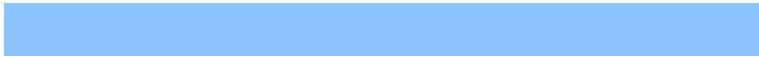


# Same Dimension

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



52.4395, 56.3764, 99.3856



48.4639, 51.9303, 102.0770



43.6834, 38.4074, 96.3788



16.9686, 18.0140, 21.9680



12.8374, 11.0305, 49.4260



1.2944, 1.2325, 4.6129



# Inverse Universe

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



62.5028, 48.8891, 62.0217



60.5259, 44.0378, 57.0495



79.8057, 91.6492, 45.3839



17.5907, 17.3636, 19.7003



22.7718, 11.5244, 10.7725

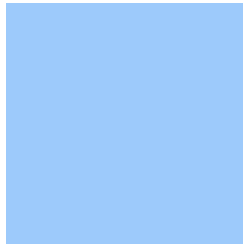


2.1623, 1.0887, 1.2780



# Previews

## White Background



This preview shows how the XYZ color 52.4377, 56.3742, 99.3843 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

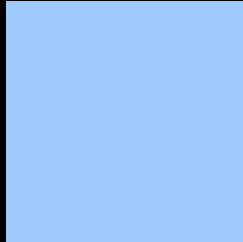
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.4377, 56.3742, 99.3843 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

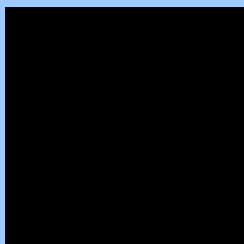
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

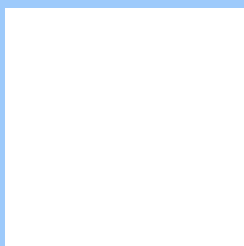
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 52.4377, 56.3742, 99.3843**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.4377, 56.3742, 99.3843.



This preview shows how white text looks on a background with the XYZ color 52.4377, 56.3742,



# 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

52.4377, 56.3742, 99.3843

### Protanopia

56.1572, 55.9983, 95.0377

### Deuteranopia

57.5149, 56.2402, 100.7526



## Tritanopia

48.2098, 56.4374, 78.1646

# Trichromacy



## Original Color

52.4377, 56.3742, 99.3843

## Protanomaly

54.8166, 56.2794, 96.7808

## Deuteranomaly

55.4414, 56.1909, 100.0193

## Tritanomaly

49.6762, 56.3181, 85.3431

# Monochromacy



## Original Color

52.4377, 56.3742, 99.3843

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

51.2880, 54.6626, 72.1377

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.4377, 56.3742, 99.3843 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(157, 202, 251)` looks like.

```
.text, #text, p{  
    color:rgb(157, 202, 251)  
}
```

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(157, 202, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 202, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 52.4377, 56.3742, 99.3843 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(157, 202, 251) }
```



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

```
.border{ border-color:rgb(157, 202, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 202, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 202, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 202, 251);  
box-shadow:4px 4px 4px 4px rgb(157, 202,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.4377, 56.3742, 99.3843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 202, 251) }
```

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

```
.background{ background-color: rgb(157,  
202, 251) }
```

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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