

Converting Colors

XYZ(53.1157, 57.3563, 93.5942)

Have a look what the booklet for
XYZ(53.1157, 57.3563, 93.5942)
contains.

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Color

**XYZ(52.9949, 57.1360,
93.8232)**

Conversions

Conversions Part 1

Format	Color
Hex	A4CBF4
RGB	164, 203, 244
RGB Percent	64%, 80%, 96%
CMY	0.3568, 0.2039, 0.0431
CMYK	0.33, 0.17, 0.00, 0.04
HSL	211°, 78%, 80%
HSV	211°, 33%, 96%
XYZ	52.9949, 57.1360, 93.8232
YIQ	196.0130, -36.4050, 4.4830

Conversions

Conversions Part 2

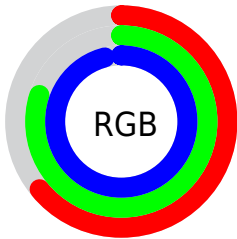
Format	Color
RYB	164, 190, 244
Decimal	10800116
CIELab	80.26, -3.37, -24.36
CIELCh	80, 24.591, 262.132
Yxy	57.1360, 0.2598, 0.2801
Android (android.graphics.Color)	4288990196 (0xFFA4CBF4)
YUV	196.0130, 23.6576, -28.0754
Hunter-Lab	75.5884, -7.1335, -20.6812

Details

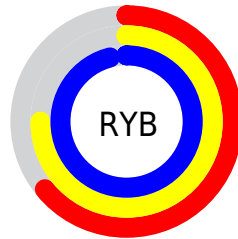
The XYZ color **52.9949, 57.1360, 93.8232** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.8414, 65.5770, 44.3111**, and the grayscale version is **52.3569, 55.0835, 59.9859**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **26.2550, 28.4407, 51.6828** is the 20% darker color. If you saturate the color by 10%, you get **45.5996, 49.1162, 92.6660**, and if you desaturate by 10%, it is **61.5981, 66.1346, 95.1077**.

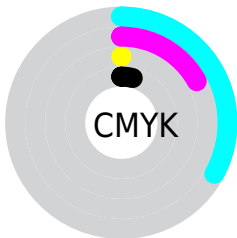
Distribution



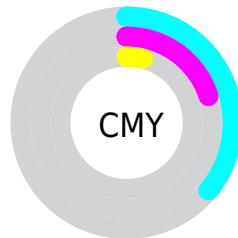
- Red (64%)
- Green (80%)
- Blue (96%)



- Red (64%)
- Yellow (75%)
- Blue (96%)



- Cyan (33%)
- Magenta (17%)
- Yellow (0%)
- Black (4%)



- Cyan (36%)
- Magenta (20%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.9949, 57.1360, 93.8232 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 52.9949, 57.1360, 93.8232 by changing the saturation by 10% instead.

■ 52.9949, 57.1360,
93.8232

■ 52.9949, 57.1360,
93.8232

388.5267,
413.9587, 561.2785

■ 38.0262, 41.1144,
70.5644

■ 93.7624, 100.6636,
154.6194

■ 26.1803, 28.4085,
51.5072

■ 120.2919,
128.9384, 192.9938

■ 17.0920, 18.6338,
36.2329

151.4058,
162.0665, 237.2440

■ 10.3958, 11.4060,
24.3230

187.4692,
200.4321, 287.7883

■ 5.7264, 6.3406,
15.3590

228.8477,
244.4198, 345.0454

■ 2.7185, 3.0533,
8.9223

275.9065,

■ 1.0067, 1.1596,

294.4138, 409.4338

4.5944

329.0111,
350.7987, 481.3720

■ 0.0000, 0.0283,
1.9568

■ 0.0000, 0.0000,
0.5285

■ 52.9949, 57.1360,
93.8232

■ 52.9949, 57.1360,
93.8232

■ 45.5996, 49.1162,
92.6660

■ 61.5981, 66.1346,
95.1077

■ 39.3456, 42.0289,
91.6276

■ 71.4600, 76.1425,
96.5196

■ 34.1680, 35.8331,
90.7046

■ 82.6353, 87.1969,
98.0643

■ 29.9921, 30.4816,
89.8917

■ 92.7017, 98.0565,
99.6299

■ 26.7327, 25.9209,
89.1832

■ 93.3293, 99.3117,
99.8391

■ 24.2874, 22.0885,
88.5724

■ 22.9207, 19.7145,
88.1862

Harmonies

Analogous

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



48.5917, 57.1360, 86.6958



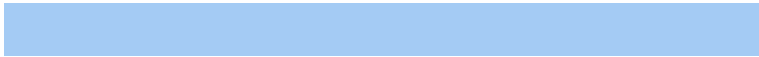
52.9949, 57.1360, 93.8232



58.0258, 57.1360, 91.5052

Triad

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



52.9949, 57.1360, 93.8232



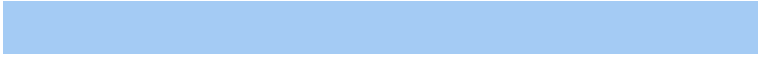
63.7508, 57.1360, 52.3636



47.0343, 57.1360, 46.7330

Complementary

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



52.9949, 57.1360, 93.8232



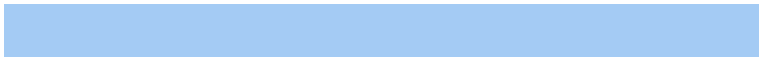
65.8414, 65.5770, 44.3111

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.



50.7488, 57.1360, 39.9497



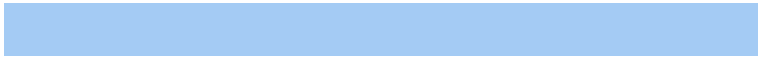
52.9949, 57.1360, 93.8232



60.4517, 57.1360, 42.8343

Square

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



52.9949, 57.1360, 93.8232



64.4439, 57.1360, 66.0744



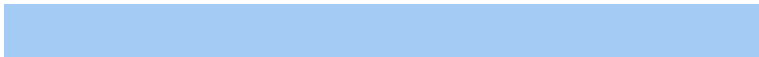
55.6387, 57.1360, 38.6414



45.2914, 57.1360, 58.5020

Rectangle

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



52.9949, 57.1360, 93.8232



61.0448, 57.1360, 85.0562



55.6387, 57.1360, 38.6414



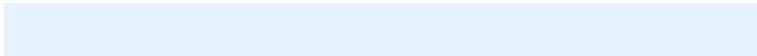
48.0825, 57.1360, 43.8738

Sweetspot

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



52.9967, 57.1382, 93.8245



82.2547, 87.4240, 107.1470



58.5610, 76.9548, 68.8955



17.2465, 18.3543, 22.8837



0.0000, 0.0000, 0.0000



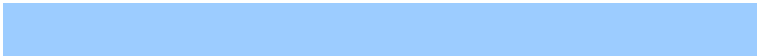
20.3446, 21.4041, 23.3091

Same Dimension

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



52.9967, 57.1382, 93.8245



53.2742, 57.4447, 102.8878



44.9160, 40.9768, 91.1310



16.2481, 17.2605, 21.0178



12.5987, 10.9912, 47.9955



1.2098, 1.1710, 4.2525

Inverse Universe

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



61.3647, 50.0975, 62.9377



63.9562, 49.2474, 63.2826



76.3609, 86.6159, 47.8176



16.8358, 16.6172, 18.8819



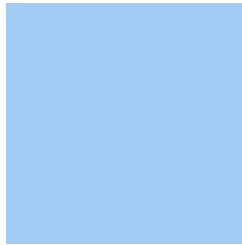
22.1638, 11.2089, 10.8367



1.9997, 1.0059, 1.2249

Previews

White Background



This preview shows how the XYZ color 52.9949, 57.1360, 93.8232 looks on a white background.

Color Contrast Check

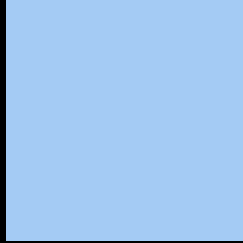
Large Text (above 18pt) WCAG AA × Fail

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 52.9949, 57.1360, 93.8232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

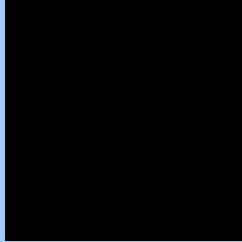
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

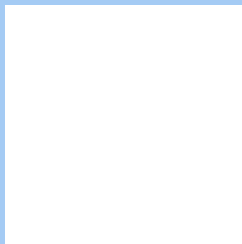
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.9949, 57.1360, 93.8232

Background



This preview shows how black text looks on a background with the XYZ color 52.9949, 57.1360, 93.8232.



This preview shows how white text looks on a background with the XYZ color 52.9949, 57.1360,

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

52.9949, 57.1360, 93.8232

Protanopia

56.6807, 57.0426, 90.4610

Deuteranopia

58.3978, 57.1534, 95.1426



Tritanopia

49.9302, 57.3243, 78.2451

Trichromacy



Original Color

52.9949, 57.1360, 93.8232

Protanomaly

55.1230, 56.9010, 91.2968

Deuteranomaly

56.2040, 57.0480, 94.4353

Tritanomaly

51.1931, 57.4892, 83.9997

Monochromacy



Original Color

52.9949, 57.1360, 93.8232

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

52.2008, 55.8413, 70.9780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.9949, 57.1360, 93.8232 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(164, 203, 244)` looks like.

```
.text, #text, p{  
    color:rgb(164, 203, 244)  
}
```

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(164, 203, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 203, 244) }
```

Border

The CSS property to change the border of an element to XYZ 52.9949, 57.1360, 93.8232 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(164, 203, 244) }
```


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

```
.border{ border-color:rgb(164, 203, 244) }
```

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

Here you see how a box with a 4 pixel rgb(164, 203, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 203, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 203, 244);  
box-shadow:4px 4px 4px 4px rgb(164, 203,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 52.9949, 57.1360, 93.8232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 203, 244) }
```

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

```
.background{ background-color: rgb(164,  
203, 244) }
```

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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