

Converting Colors

XYZ(56.9955, 65.6059,
104.2670)

Have a look what the booklet for
XYZ(56.9955, 65.6059, 104.2670)
contains.

XYZ(57.0433, 65.7052, 104.2836)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(57.0433, 65.7052,
104.2836)**

Conversions

Conversions Part 1

Format	Color
Hex	99DDFF
RGB	153, 221, 255
RGB Percent	60%, 87%, 100%
CMY	0.4000, 0.1333, 0.0000
CMYK	0.40, 0.13, 0.00, 0.00
HSL	200°, 100%, 80%
HSV	200°, 40%, 100%
XYZ	57.0433, 65.7052, 104.2836
YIQ	204.5440, -51.4420, -3.8420

Conversions

Conversions Part 2

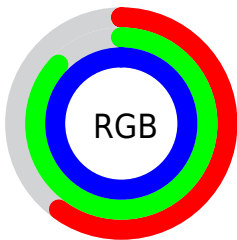
Format	Color
RYB	153, 194, 255
Decimal	10083839
CIELab	84.85, -12.93, -23.27
CIELCh	85, 26.620, 240.949
Yxy	65.7052, 0.2513, 0.2894
Android (android.graphics.Color)	4288273919 (0xFF99DDFF)
YUV	204.5440, 24.8748, -45.2041
Hunter-Lab	81.0587, -16.2374, -19.5366

Details

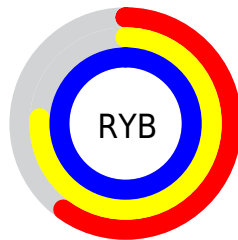
The XYZ color **57.0433, 65.7052, 104.2836** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.7606, 59.1009, 38.1333**, and the grayscale version is **57.6111, 60.6113, 66.0058**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **28.7590, 33.8910, 58.4519** is the 20% darker color. If you saturate the color by 10%, you get **50.5475, 59.1104, 103.3531**, and if you desaturate by 10%, it is **64.6848, 73.0623, 105.3009**.

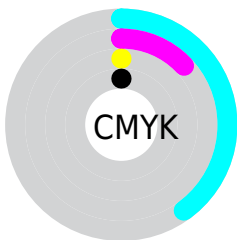
Distribution



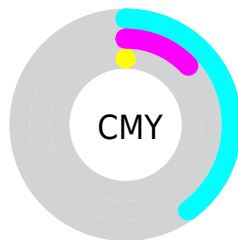
- Red (60%)
- Green (87%)
- Blue (100%)



- Red (60%)
- Yellow (76%)
- Blue (100%)



- Cyan (40%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.0433, 65.7052, 104.2836 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 57.0433, 65.7052, 104.2836 by changing the saturation by 10% instead.

■ 57.0433, 65.7052,
104.2836

■ 57.0433, 65.7052,
104.2836

403.6231,
445.3218, 595.2043

■ 41.2803, 48.0331,
79.2460

■ 99.6594, 113.0631,
169.1345

■ 28.7268, 33.8531,
58.5756

■ 127.2431,
143.5177, 209.7849

■ 19.0175, 22.7808,
41.8538

159.4978,
179.0020, 256.4766

■ 11.7870, 14.4317,
28.6621

196.7888,
219.9003, 309.6282

■ 6.6700, 8.4215,
18.5820

239.4815,
266.5971, 369.6583

■ 3.3011, 4.3659,
11.1949

287.9412,

■ 1.3149, 1.8802,

319.4766, 436.9853

6.0823

342.5333,
378.9234, 512.0277

■ 0.1943, 0.5365,
2.8256

■ 0.0000, 0.0000,
1.0063

■ 57.0433, 65.7052,
104.2836

■ 57.0433, 65.7052,
104.2836

■ 50.5475, 59.1104,
103.3531

■ 64.6848, 73.0623,
105.3009

■ 45.1240, 53.2331,
102.5045

■ 73.5283, 81.2086,
106.4072

■ 40.6993, 48.0344,
101.7342

■ 83.6330, 90.1785,
107.6060

■ 37.1871, 43.4672,
101.0378

95.0500, 100.0000,
108.9000

■ 34.4849, 39.4760,
100.4098

■ 32.4262, 35.9722,
99.8420

■ 32.4258, 35.9717,
99.8419

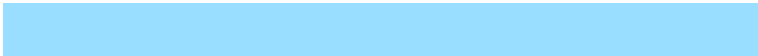
Harmonies

Analogous

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



53.1184, 65.7052, 89.8061



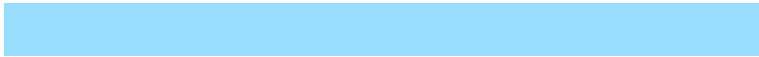
57.0433, 65.7052, 104.2836



62.6410, 65.7052, 109.6834

Triad

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



57.0433, 65.7052, 104.2836



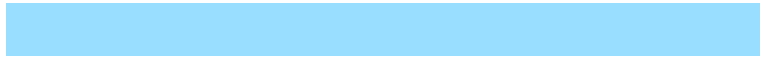
74.6398, 65.7052, 70.9991



56.7341, 65.7052, 46.8986

Complementary

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



57.0433, 65.7052, 104.2836



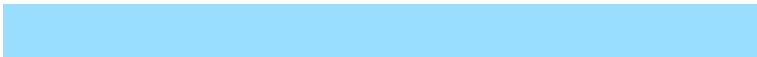
64.7606, 59.1009, 38.1333

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.



62.2611, 65.7052, 43.4593



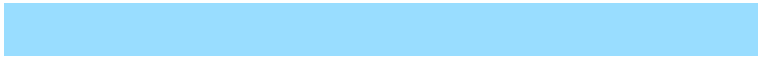
57.0433, 65.7052, 104.2836



72.8169, 65.7052, 55.9386

Square

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



57.0433, 65.7052, 104.2836



73.0275, 65.7052, 88.7141



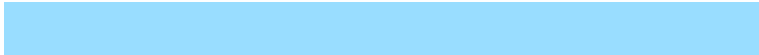
68.1897, 65.7052, 46.4893



52.9481, 65.7052, 56.7421

Rectangle

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



57.0433, 65.7052, 104.2836



66.6435, 65.7052, 106.8267



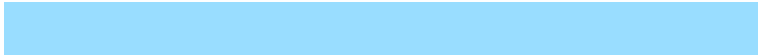
68.1897, 65.7052, 46.4893



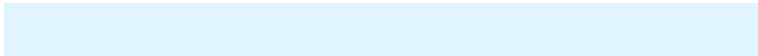
58.4378, 65.7052, 45.0326

Sweetspot

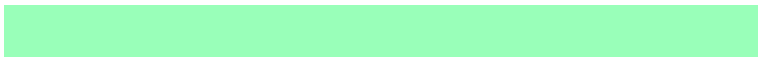
The Sweet Spot groups the original color and five complimentary colors.



57.0452, 65.7076, 104.2840



81.5067, 88.3156, 107.3585



57.6867, 81.8083, 58.8170



17.1548, 18.6469, 22.9450



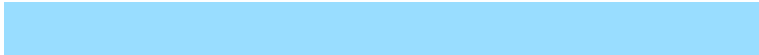
0.0000, 0.0000, 0.0000



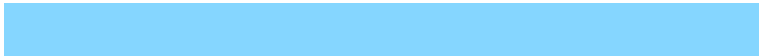
20.3446, 21.4041, 23.3091

Same Dimension

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



57.0452, 65.7076, 104.2840



51.7578, 60.3699, 103.5324



45.8839, 43.3851, 100.5636



18.0149, 19.4014, 23.0453



17.0862, 19.0820, 52.2172



1.7642, 2.0591, 5.1177

Inverse Universe

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



65.6836, 49.2646, 74.4564



61.7364, 42.7911, 68.7599



77.0723, 83.7243, 42.2372



18.5202, 18.1914, 21.3563



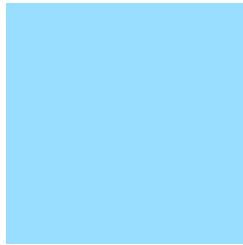
25.4125, 12.6543, 21.3546



2.5251, 1.2524, 2.3465

Previews

White Background



This preview shows how the XYZ color 57.0433, 65.7052, 104.2836 looks on a white background.

Color Contrast Check

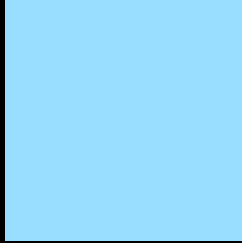
Large Text (above 18pt) WCAG AA × Fail

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 57.0433, 65.7052, 104.2836 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 57.0433, 65.7052, 104.2836

Background



This preview shows how black text looks on a background with the XYZ color 57.0433, 65.7052, 104.2836.

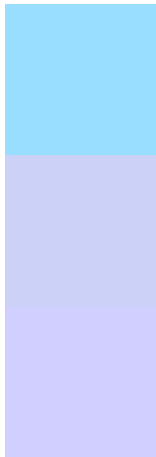


This preview shows how white text looks on a background with the XYZ color 57.0433, 65.7052,

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

57.0433, 65.7052, 104.2836

Protanopia

64.4908, 65.1537, 97.1726

Deuteranopia

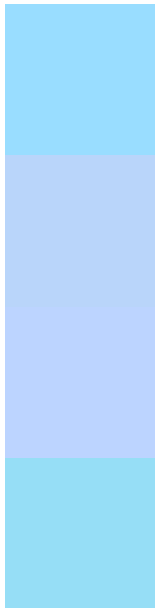
66.3752, 65.2555, 103.7050



Tritanopia

54.6593, 65.5158, 92.9841

Trichromacy



Original Color

57.0433, 65.7052, 104.2836

Protanomaly

61.0572, 64.8049, 99.7330

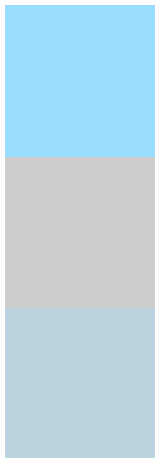
Deuteranomaly

62.3325, 64.9983, 103.8684

Tritanomaly

55.3335, 65.3804, 96.8921

Monochromacy



Original Color

57.0433, 65.7052, 104.2836

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

56.8632, 62.3553, 78.8508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.0433, 65.7052, 104.2836 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(153, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 221, 255)  
}
```

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(153, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 221, 255) }
```

Border

The CSS property to change the border of an element to XYZ 57.0433, 65.7052, 104.2836 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(153, 221, 255) }
```


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

```
.border{ border-color:rgb(153, 221, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 221,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 57.0433, 65.7052, 104.2836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 221, 255) }
```

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

```
.background{ background-color: rgb(153,  
221, 255) }
```

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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