

Converting Colors

XYZ(49.2308, 56.1340, 97.0461)

Have a look what the booklet for
XYZ(49.2308, 56.1340, 97.0461)
contains.

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Color

**XYZ(49.3311, 56.2383,
97.0620)**

Conversions

Conversions Part 1

Format	Color
Hex	89CEF8
RGB	137, 206, 248
RGB Percent	54%, 81%, 97%
CMY	0.4627, 0.1921, 0.0274
CMYK	0.45, 0.17, 0.00, 0.03
HSL	203°, 89%, 75%
HSV	203°, 45%, 97%
XYZ	49.3311, 56.2383, 97.0620
YIQ	190.1570, -54.6060, -1.5660

Conversions

Conversions Part 2

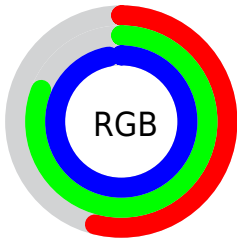
Format	Color
R _Y B	137, 180, 248
Decimal	9031416
CIE Lab	79.75, -10.89, -27.40
CIE LCh	80, 29.484, 248.318
Yxy	56.2383, 0.2435, 0.2775
Android (android.graphics.Color)	4287221496 (0xFF89CEF8)
YUV	190.1570, 28.5166, -46.6187
Hunter-Lab	74.9922, -13.8161, -24.2442

Details

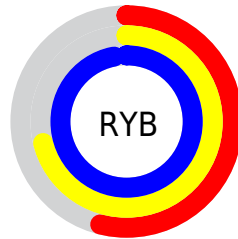
The XYZ color **49.3311, 56.2383, 97.0620** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.3482, 54.0042, 30.9646**, and the grayscale version is **48.8990, 51.4455, 56.0242**.

A 20% lighter version of the original color is **76.3157, 90.3421, 108.0232**, and **23.8567, 27.8803, 53.4143** is the 20% darker color. If you saturate the color by 10%, you get **43.5317, 49.9956, 96.1637**, and if you desaturate by 10%, it is **56.2033, 63.2366, 98.0516**.

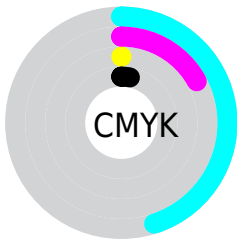
Distribution



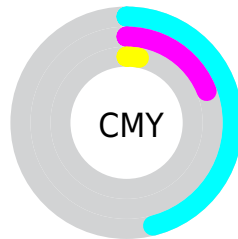
- Red (54%)
- Green (81%)
- Blue (97%)



- Red (54%)
- Yellow (71%)
- Blue (97%)



- Cyan (45%)
- Magenta (17%)
- Yellow (0%)
- Black (3%)



- Cyan (46%)
- Magenta (19%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3311, 56.2383, 97.0620 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 49.3311, 56.2383, 97.0620 by changing the saturation by 10% instead.

■ 49.3311, 56.2383,
97.0620

■ 49.3311, 56.2383,
97.0620

374.5397,
410.5889, 571.8975

■ 35.0978, 40.3940,
73.2460

■ 88.3808, 99.3529,
159.1303

■ 23.9051, 27.8459,
53.6841

■ 113.9279,
127.3920, 198.2197

■ 15.3876, 18.2095,
37.9577

143.9770,
160.2649, 243.2373

■ 9.1799, 11.1005,
25.6483

178.8934,
198.3559, 294.6016

■ 4.9168, 6.1345,
16.3373

219.0426,
242.0494, 352.7313

■ 2.2328, 2.9270,
9.6062

264.7897,

■ 0.7599, 1.0938,

291.7298, 418.0448

5.0365

316.5003,
347.7815, 490.9607

■ 0.0000, 0.0000,
2.2096

■ 0.0000, 0.0000,
0.6799

■ 49.3311, 56.2383,
97.0620

■ 49.3311, 56.2383,
97.0620

■ 43.5317, 49.9956,
96.1637

■ 56.2033, 63.2366,
98.0516

■ 38.7323, 44.4641,
95.3490

■ 64.2038, 71.0190,
99.1321

■ 34.8593, 39.6033,
94.6149

■ 73.3905, 79.6198,
100.3080

■ 31.8250, 35.3645,
93.9566

■ 83.8156, 89.0691,
101.5825

■ 29.5223, 31.6886,
93.3685

■ 93.2840, 98.2385,
102.8533

■ 28.5263, 29.9430,
93.0841

■ 93.9435, 99.5574,
103.0731

Harmonies

Analogous

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



44.9590, 56.2383, 83.9126



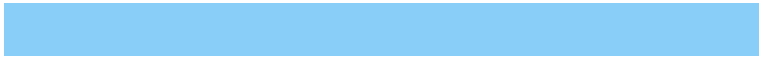
49.3311, 56.2383, 97.0620



55.1274, 56.2383, 99.7733

Triad

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



49.3311, 56.2383, 97.0620



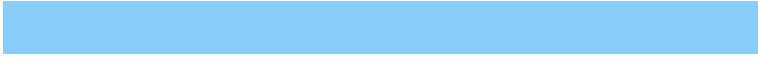
65.6086, 56.2383, 56.6089



46.6597, 56.2383, 38.9310

Complementary

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



49.3311, 56.2383, 97.0620



59.3482, 54.0042, 30.9646

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.



51.8125, 56.2383, 34.1689



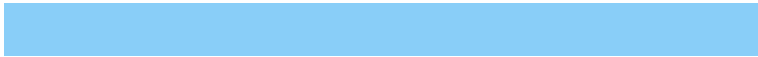
49.3311, 56.2383, 97.0620



62.9542, 56.2383, 43.0607

Square

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



49.3311, 56.2383, 97.0620



64.8208, 56.2383, 74.1728



57.7980, 56.2383, 35.5259



43.4983, 56.2383, 49.8948

Rectangle

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



49.3311, 56.2383, 97.0620



59.0735, 56.2383, 94.8961



57.7980, 56.2383, 35.5259



48.2005, 56.2383, 36.6542

Sweetspot

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



49.3329, 56.2404, 97.0633



80.0166, 86.5026, 107.0871



51.8912, 75.6568, 53.8318



16.6291, 18.0578, 22.8590



0.0000, 0.0000, 0.0000



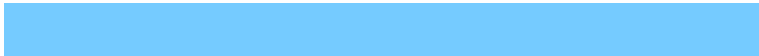
20.3446, 21.4041, 23.3091

Same Dimension

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



49.3329, 56.2404, 97.0633



46.7584, 53.6866, 102.5059



38.4573, 34.4892, 93.4381



17.1818, 18.4405, 22.0391



15.5492, 16.4540, 50.3300



1.5422, 1.7281, 4.6955

Inverse Universe

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



58.7992, 42.3058, 63.4615



58.4037, 38.3596, 60.7623



72.4236, 80.1551, 35.3231



17.6983, 17.4067, 20.2671



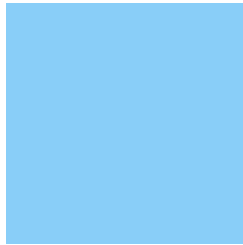
24.1406, 12.0719, 17.9805



2.2874, 1.1387, 1.9367

Previews

White Background



This preview shows how the XYZ color 49.3311, 56.2383, 97.0620 looks on a white background.

Color Contrast Check

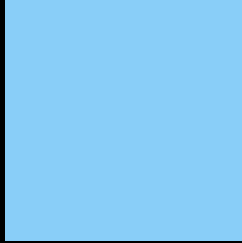
Large Text (above 18pt) WCAG AA × Fail

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 49.3311, 56.2383, 97.0620 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

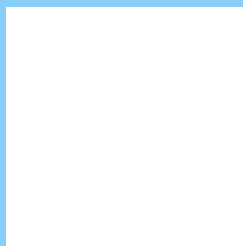
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.3311, 56.2383, 97.0620

Background



This preview shows how black text looks on a background with the XYZ color 49.3311, 56.2383, 97.0620.



This preview shows how white text looks on a background with the XYZ color 49.3311, 56.2383,

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

49.3311, 56.2383, 97.0620

Protanopia

55.7368, 55.8863, 90.2876

Deuteranopia

57.2216, 55.7963, 99.0207



Tritanopia

46.2718, 56.4645, 81.1330

Trichromacy



Original Color

49.3311, 56.2383, 97.0620

Protanomaly

52.9633, 55.7529, 92.7639

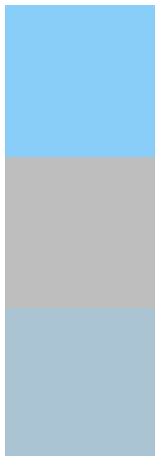
Deuteranomaly

53.8116, 55.7253, 98.3624

Tritanomaly

47.4687, 56.5856, 87.0175

Monochromacy



Original Color

49.3311, 56.2383, 97.0620

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.2924, 52.8409, 69.2821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3311, 56.2383, 97.0620 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(137, 206, 248)` looks like.

```
.text, #text, p{  
    color:rgb(137, 206, 248)  
}
```

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(137, 206, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 206, 248) }
```

Border

The CSS property to change the border of an element to XYZ 49.3311, 56.2383, 97.0620 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(137, 206, 248) }
```


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

```
.border{ border-color:rgb(137, 206, 248) }
```

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

Here you see how a box with a 4 pixel rgb(137, 206, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 206, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 206, 248);  
box-shadow:4px 4px 4px 4px rgb(137, 206,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3311, 56.2383, 97.0620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 206, 248) }
```

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

```
.background{ background-color: rgb(137,  
206, 248) }
```

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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