

Converting Colors

XYZ(49.2073, 55.9372,
103.4698)

Have a look what the booklet for
XYZ(49.2073, 55.9372, 103.4698)
contains.

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Color

**XYZ(49.1746, 56.0297,
102.8308)**

Conversions

Conversions Part 1

Format	Color
Hex	81CEFF
RGB	129, 206, 255
RGB Percent	51%, 81%, 100%
CMY	0.4941, 0.1921, 0.0000
CMYK	0.49, 0.19, 0.00, 0.00
HSL	203°, 100%, 75%
HSV	203°, 49%, 100%
XYZ	49.1746, 56.0297, 102.8308
YIQ	188.5630, -61.6210, -1.0850

Conversions

Conversions Part 2

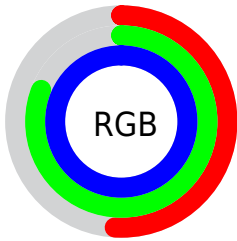
Format	Color
R_{YB}	129, 177, 255
Decimal	8507135
CIE _{Lab}	79.63, -10.81, -31.34
CIE _{LCh}	80, 33.154, 250.975
Yxy	56.0297, 0.2364, 0.2693
Android (android.graphics.Color)	4286697215 (0xFF81CEFF)
YUV	188.5630, 32.7534, -52.2368
Hunter-Lab	74.8530, -13.7273, -29.0537

Details

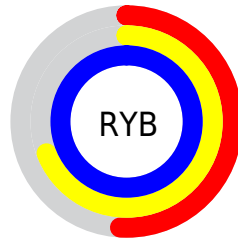
The XYZ color **49.1746, 56.0297, 102.8308** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **61.1239, 54.6872, 28.1052**, and the grayscale version is **47.9663, 50.4643, 54.9556**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **23.8052, 27.7626, 57.5301** is the 20% darker color. If you saturate the color by 10%, you get **43.4612, 49.6525, 101.9010**, and if you desaturate by 10%, it is **56.0083, 63.2104, 103.8566**.

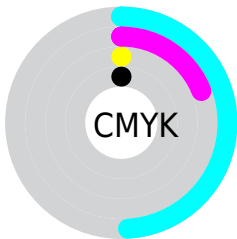
Distribution



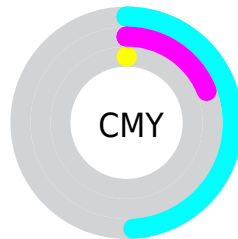
- Red (51%)
- Green (81%)
- Blue (100%)



- Red (51%)
- Yellow (69%)
- Blue (100%)



- Cyan (49%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1746, 56.0297, 102.8308 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 49.1746, 56.0297, 102.8308 by changing the saturation by 10% instead.

■ 49.1746, 56.0297,
102.8308

■ 49.1746, 56.0297,
102.8308

373.9348,
409.8034, 590.5549

■ 34.9731, 40.2267,
78.0367

■ 88.1499, 99.0480,
167.1276

■ 23.8086, 27.7154,
57.5875

■ 113.6544,
127.0321, 207.4675

■ 15.3157, 18.1112,
41.0646

■ 143.6573,
159.8454, 253.8264

■ 9.1290, 11.0299,
28.0495

178.5239,
197.8723, 306.6228

■ 4.8832, 6.0869,
18.1236

218.6196,
241.4971, 366.2753

■ 2.2129, 2.8980,
10.8684

264.3098,

■ 0.7495, 1.0787,

291.1043, 433.2025

5.8654

315.9597,
347.0783, 507.8228

■ 0.0000, 0.0000,
2.6959

■ 0.0000, 0.0000,
0.9414

■ 49.1746, 56.0297,
102.8308

■ 49.1746, 56.0297,
102.8308

■ 43.4612, 49.6525,
101.9010

■ 56.0083, 63.2104,
103.8566

■ 38.7871, 44.0294,
101.0620

■ 64.0257, 71.2277,
104.9815

■ 35.0675, 39.1137,
100.3092

■ 73.2910, 80.1198,
106.2096

■ 32.1997, 34.8482,
99.6370

■ 83.8622, 89.9204,
107.5441

■ 30.0280, 31.1480,
99.0373

95.0500, 100.0000,
108.9000

■ 29.9107, 30.9415,
99.0036

Harmonies

Analogous

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



44.1301, 56.0297, 88.4604



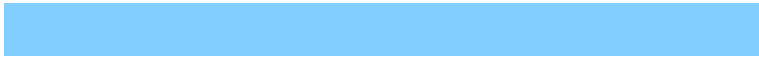
49.1746, 56.0297, 102.8308



55.7386, 56.0297, 104.7362

Triad

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



49.1746, 56.0297, 102.8308



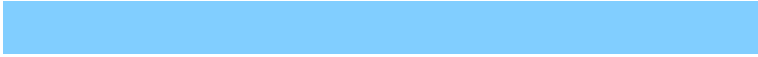
66.8918, 56.0297, 54.2652



45.2650, 56.0297, 37.2266

Complementary

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



49.1746, 56.0297, 102.8308



61.1239, 54.6872, 28.1052

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.



50.8454, 56.0297, 31.5410



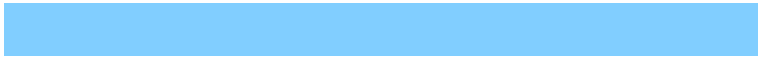
49.1746, 56.0297, 102.8308



63.5573, 56.0297, 39.9170

Square

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



49.1746, 56.0297, 102.8308



66.3498, 56.0297, 73.8068



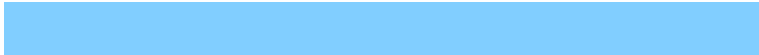
57.5541, 56.0297, 32.4101



42.0067, 56.0297, 49.7795

Rectangle

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



49.1746, 56.0297, 102.8308



60.1456, 56.0297, 98.3125



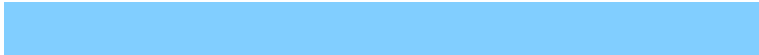
57.5541, 56.0297, 32.4101



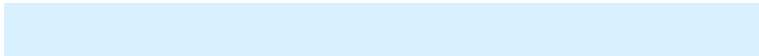
46.9111, 56.0297, 34.5809

Sweetspot

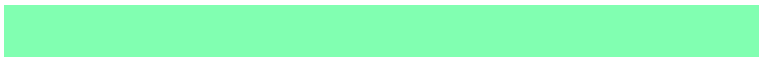
The Sweet Spot groups the original color and five complimentary colors.



49.1763, 56.0317, 102.8311



77.7880, 84.3273, 106.7847



52.7803, 79.3741, 54.2929



16.1828, 17.6142, 22.7969



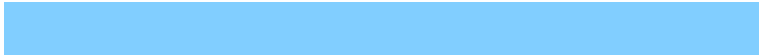
0.0000, 0.0000, 0.0000



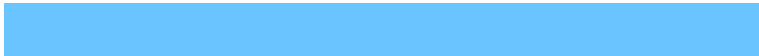
20.3446, 21.4041, 23.3091

Same Dimension

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



49.1763, 56.0317, 102.8311



43.6742, 49.8985, 101.9372



37.0329, 31.7450, 98.7833



17.9271, 19.2258, 23.0160



15.7784, 16.4663, 51.7813



1.6425, 1.8156, 5.0772

Inverse Universe

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



60.2320, 41.4185, 63.2145



56.2658, 35.2797, 56.3630



76.4516, 85.3425, 33.2144



18.4758, 18.1736, 21.1229



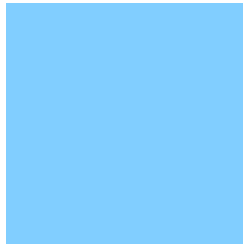
24.7524, 12.3902, 17.8784



2.4637, 1.2278, 2.0230

Previews

White Background



This preview shows how the XYZ color 49.1746, 56.0297, 102.8308 looks on a white background.

Color Contrast Check

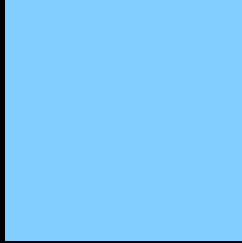
Large Text (above 18pt) WCAG AA × Fail

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 49.1746, 56.0297, 102.8308 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

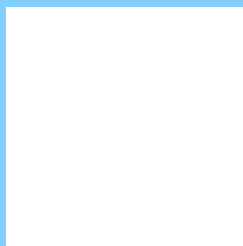
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1746, 56.0297, 102.8308

Background



This preview shows how black text looks on a background with the XYZ color 49.1746, 56.0297, 102.8308.

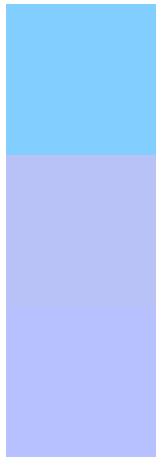


This preview shows how white text looks on a background with the XYZ color 49.1746, 56.0297,

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

49.1746, 56.0297, 102.8308

Protanopia

55.8475, 55.4893, 95.7627

Deuteranopia

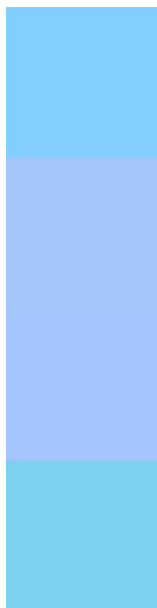
56.6484, 55.4272, 102.3206



Tritanopia

45.0436, 56.1830, 81.8692

Trichromacy



Original Color

49.1746, 56.0297, 102.8308

Protanomaly

52.7592, 55.1828, 98.3131

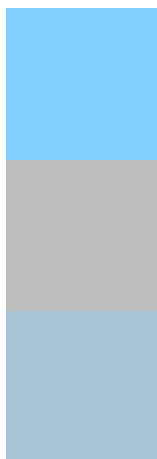
Deuteranomaly

53.3483, 55.3947, 102.4882

Tritanomaly

46.4015, 55.9849, 89.2495

Monochromacy



Original Color

49.1746, 56.0297, 102.8308

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.4617, 52.0498, 70.4959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1746, 56.0297, 102.8308 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(129, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 206, 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(129, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 206, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.1746, 56.0297, 102.8308 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(129, 206, 255) }
```


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

```
.border{ border-color:rgb(129, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(129, 206,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1746, 56.0297, 102.8308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 206, 255) }
```

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

```
.background{ background-color: rgb(129,  
206, 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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