

Converting Colors

XYZ(49.5720, 51.1069, 88.1408)

Have a look what the booklet for
XYZ(49.5720, 51.1069, 88.1408)
contains.

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Color

**XYZ(49.5720, 51.1069,
88.1408)**

Conversions

Conversions Part 1

Format	Color
Hex	A6BEEE
RGB	166, 190, 238
RGB Percent	65%, 75%, 93%
CMY	0.3490, 0.2549, 0.0667
CMYK	0.30, 0.20, 0.00, 0.07
HSL	220°, 68%, 79%
HSV	220°, 30%, 93%
XYZ	49.5720, 51.1069, 88.1408
YIQ	188.2960, -29.7120, 9.8400

Conversions

Conversions Part 2

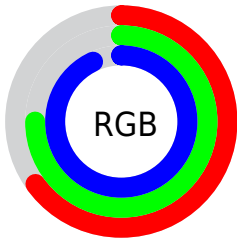
Format	Color
R _Y B	166, 184, 238
Decimal	10927854
CIE Lab	76.74, 2.71, -26.49
CIE LCh	77, 26.631, 275.851
Yxy	51.1069, 0.2625, 0.2707
Android (android.graphics.Color)	4289117934 (0xFFA6BEEE)
YUV	188.2960, 24.5041, -19.5536
Hunter-Lab	71.4891, -1.3303, -23.0579

Details

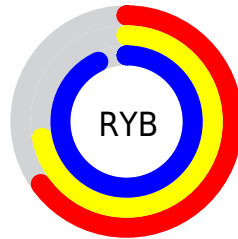
The XYZ color **49.5720, 51.1069, 88.1408** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.1905, 69.0245, 45.9126**, and the grayscale version is **47.8467, 50.3384, 54.8185**.

A 20% lighter version of the original color is **81.1300, 88.6611, 107.4450**, and **24.0712, 24.7135, 47.7575** is the 20% darker color. If you saturate the color by 10%, you get **41.7856, 42.2670, 86.8458**, and if you desaturate by 10%, it is **58.6590, 61.1751, 89.6061**.

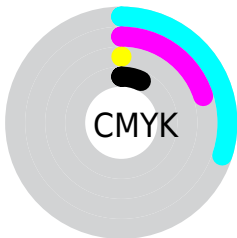
Distribution



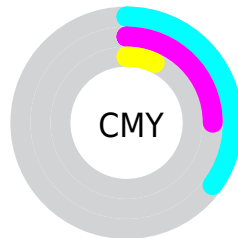
- Red (65%)
- Green (75%)
- Blue (93%)



- Red (65%)
- Yellow (72%)
- Blue (93%)



- Cyan (30%)
- Magenta (20%)
- Yellow (0%)
- Black (7%)



- Cyan (35%)
- Magenta (25%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5720, 51.1069, 88.1408 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 49.5720, 51.1069, 88.1408 by changing the saturation by 10% instead.

■ 49.5720, 51.1069,
88.1408

■ 49.5720, 51.1069,
88.1408

375.4695,
390.9790, 542.3775

■ 35.2898, 36.2937,
65.8747

■ 88.7360, 91.8128,
146.6660

■ 24.0538, 24.6611,
47.7148

■ 114.3486,
118.4742, 183.7622

■ 15.4985, 15.8247,
33.2427

144.4687,
149.8539, 226.6388

■ 9.2586, 9.4002,
22.0398

179.4617,
186.3361, 275.7145

■ 4.9687, 5.0031,
13.6876

219.6929,
228.3054, 331.4076

■ 2.2635, 2.2491,
7.7674

265.5277,

■ 0.7759, 0.7466,

276.1460, 394.1368

3.8609

317.3315,
330.2424, 464.3205

■ 0.0000, 0.0000,
1.5493

■ 0.0000, 0.0000,
0.2543

■ 49.5720, 51.1069,
88.1408

■ 49.5720, 51.1069,
88.1408

■ 41.7856, 42.2670,
86.8458

■ 58.6590, 61.1751,
89.6061

■ 35.2319, 34.5990,
85.7111

■ 69.1002, 72.5124,
91.2441

■ 29.8442, 28.0512,
84.7313

■ 80.9520, 85.1655,
93.0617

■ 25.5467, 22.5648,
83.8988

■ 91.9465, 97.9806,
94.9558

■ 22.2538, 18.0747,
83.2056

■ 92.4328, 98.9531,
95.1179

■ 19.8654, 14.5069,
82.6429

■ 18.2530, 11.8136,
82.2080

Harmonies

Analogous

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



44.7111, 51.1069, 85.0678



49.5720, 51.1069, 88.1408



54.4862, 51.1069, 81.3616

Triad

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



49.5720, 51.1069, 88.1408



56.8770, 51.1069, 40.8995



40.2446, 51.1069, 45.0295

Complementary

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



49.5720, 51.1069, 88.1408



66.1905, 69.0245, 45.9126

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.



43.1087, 51.1069, 36.0162



49.5720, 51.1069, 88.1408



52.6565, 51.1069, 33.9368

Square

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



49.5720, 51.1069, 88.1408



58.8873, 51.1069, 52.8602



47.5926, 51.1069, 32.3176



39.5439, 51.1069, 58.5295

Rectangle

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



49.5720, 51.1069, 88.1408



57.0610, 51.1069, 72.7586



47.5926, 51.1069, 32.3176



40.9761, 51.1069, 41.4531

Sweetspot

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



49.5737, 51.1089, 88.1420



82.4168, 86.5280, 106.9655



58.2867, 74.0512, 74.0404



17.2309, 18.0799, 22.8316



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.



49.5737, 51.1089, 88.1420



52.4427, 53.5226, 102.1746



47.1564, 42.7709, 86.6600



15.3277, 16.0896, 20.0194



10.2894, 6.8030, 45.8987



0.9441, 0.7422, 3.8477

Inverse Universe

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



58.1918, 49.1690, 55.1407



64.0880, 51.4116, 57.4673



69.2003, 80.2667, 47.9240



15.9901, 15.8458, 17.5042



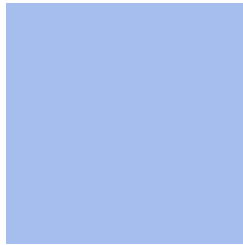
20.5192, 10.4801, 5.3848



1.7515, 0.8896, 0.6822

Previews

White Background



This preview shows how the XYZ color 49.5720, 51.1069, 88.1408 looks on a white background.

Color Contrast Check

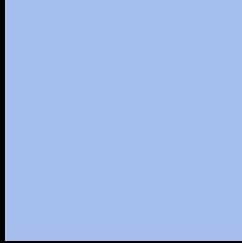
Large Text (above 18pt) WCAG AA × Fail

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 49.5720, 51.1069, 88.1408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

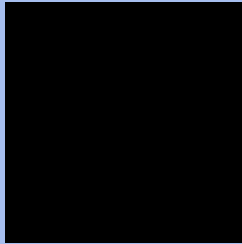
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5720, 51.1069, 88.1408

Background



This preview shows how black text looks on a background with the XYZ color 49.5720, 51.1069, 88.1408.



This preview shows how white text looks on a background with the XYZ color 49.5720, 51.1069,

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

49.5720, 51.1069, 88.1408

Protanopia

51.0421, 50.9439, 86.4998

Deuteranopia

51.9850, 50.7537, 88.7179



Tritanopia

45.6452, 51.1569, 68.4413

Trichromacy



Original Color

49.5720, 51.1069, 88.1408

Protanomaly

50.5029, 50.9651, 87.2962

Deuteranomaly

51.2548, 51.0027, 88.8045

Tritanomaly

46.8885, 50.9886, 75.0806

Monochromacy



Original Color

49.5720, 51.1069, 88.1408

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.1606, 50.5547, 65.6122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5720, 51.1069, 88.1408 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(166, 190, 238)` looks like.

```
.text, #text, p{  
    color:rgb(166, 190, 238)  
}
```

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(166, 190, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 190, 238) }
```

Border

The CSS property to change the border of an element to XYZ 49.5720, 51.1069, 88.1408 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(166, 190, 238) }
```


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

```
.border{ border-color:rgb(166, 190, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 190, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 190, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 190, 238);  
box-shadow:4px 4px 4px 4px rgb(166, 190,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5720, 51.1069, 88.1408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 190, 238) }
```

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

```
.background{ background-color: rgb(166,  
190, 238) }
```

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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