

Converting Colors

XYZ(46.1149, 46.7008, 79.2567)

Have a look what the booklet for
XYZ(46.1149, 46.7008, 79.2567)
contains.

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Color

**XYZ(46.1149, 46.7008,
79.2567)**

Conversions

Conversions Part 1

Format	Color
Hex	A6B5E3
RGB	166, 181, 227
RGB Percent	65%, 71%, 89%
CMY	0.3490, 0.2902, 0.1098
CMYK	0.27, 0.20, 0.00, 0.11
HSL	225°, 52%, 77%
HSV	225°, 27%, 89%
XYZ	46.1149, 46.7008, 79.2567
YIQ	181.7590, -23.7060, 11.1260

Conversions

Conversions Part 2

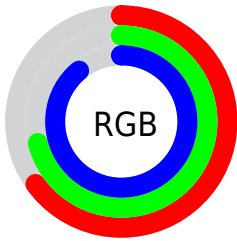
Format	Color
R _Y B	166, 178, 227
Decimal	10925539
CIE Lab	74.00, 4.97, -24.74
CIE LCh	74, 25.235, 281.353
Yxy	46.7008, 0.2680, 0.2714
Android (android.graphics.Color)	4289115619 (0xFFA6B5E3)
YUV	181.7590, 22.3038, -13.8206
Hunter-Lab	68.3380, 0.8614, -20.9265

Details

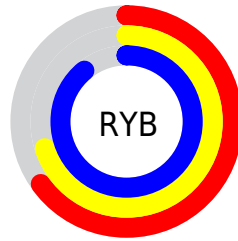
The XYZ color **46.1149, 46.7008, 79.2567** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **62.1057, 66.1715, 45.5769**, and the grayscale version is **44.2254, 46.5286, 50.6696**.

A 20% lighter version of the original color is **78.4584, 83.3180, 106.5545**, and **21.8799, 21.8893, 41.5999** is the 20% darker color. If you saturate the color by 10%, you get **38.5005, 37.9229, 77.9645**, and if you desaturate by 10%, it is **54.9998, 56.7707, 80.7329**.

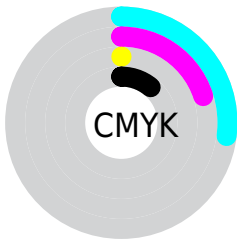
Distribution



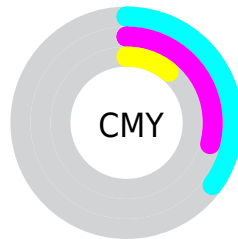
- Red (65%)
- Green (71%)
- Blue (89%)



- Red (65%)
- Yellow (70%)
- Blue (89%)



- Cyan (27%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)



- Cyan (35%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1149, 46.7008, 79.2567 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 46.1149, 46.7008, 79.2567 by changing the saturation by 10% instead.

■ 46.1149, 46.7008,
79.2567

■ 46.1149, 46.7008,
79.2567

361.9786,
373.6190, 512.0649

■ 32.5415, 32.7992,
58.5843

■ 83.6177, 85.2668,
134.1221

■ 21.9330, 21.9727,
41.8608

■ 108.2779,
110.7001, 169.1522

■ 13.9240, 13.8368,
28.6675

137.3644,
140.7459, 209.8054

■ 8.1492, 8.0073,
18.5861

171.2425,
175.7889, 256.5000

■ 4.2432, 4.0996,
11.1978

210.2776,
216.2132, 309.6548

■ 1.8406, 1.7294,
6.0842

254.8351,

■ 0.5419, 0.4426,

262.4034, 369.6881

2.8267

305.2803,
314.7439, 437.0187

■ 0.0000, 0.0000,
1.0069

■ 0.0000, 0.0000,
0.0000

■ 46.1149, 46.7008,
79.2567

■ 46.1149, 46.7008,
79.2567

■ 38.5005, 37.9229,
77.9645

■ 54.9998, 56.7707,
80.7329

■ 32.0926, 30.3779,
76.8459

■ 65.2063, 68.1773,
82.3967

■ 26.8280, 24.0098,
75.8942

■ 76.7880, 80.9703,
84.2555

■ 22.6360, 18.7565,
75.1012

■ 89.1278, 94.8511,
86.2844

■ 19.4372, 14.5490,
74.4576

■ 90.8653, 98.3261,
86.8636

■ 17.1405, 11.3103,
73.9536

■ 15.6325, 8.9487,
73.5772

■ 15.2710, 8.3575,
73.4821

Harmonies

Analogous

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



41.6752, 46.7008, 78.1637



46.1149, 46.7008, 79.2567



50.3605, 46.7008, 71.8377

Triad

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



46.1149, 46.7008, 79.2567



51.2129, 46.7008, 36.1563



36.6755, 46.7008, 43.3224

Complementary

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



46.1149, 46.7008, 79.2567



62.1057, 66.1715, 45.5769

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.



38.9069, 46.7008, 34.4075



46.1149, 46.7008, 79.2567



47.2154, 46.7008, 30.7790

Square

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



46.1149, 46.7008, 79.2567



53.4338, 46.7008, 46.1202



42.7042, 46.7008, 30.1982



36.4249, 46.7008, 55.8910

Rectangle

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



46.1149, 46.7008, 79.2567



52.4320, 46.7008, 63.6940



42.7042, 46.7008, 30.1982



37.2114, 46.7008, 39.8590

Sweetspot

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



46.1164, 46.7027, 79.2578



83.2264, 86.9089, 106.9963



55.0482, 67.7870, 72.3060



17.3658, 18.1032, 22.8289



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.



46.1164, 46.7027, 79.2578



54.5456, 54.4967, 102.2518



46.6173, 42.6739, 78.4537



13.8693, 14.4600, 18.2044



8.9830, 5.0282, 42.8802



0.7357, 0.5153, 3.1927

Inverse Universe

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



53.6565, 46.9409, 49.9505



65.9382, 55.1719, 57.8997



61.4324, 71.6522, 46.6702



14.5216, 14.4258, 15.6812



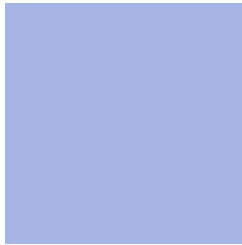
18.9277, 9.7053, 3.2484



1.4350, 0.7317, 0.4311

Previews

White Background



This preview shows how the XYZ color 46.1149, 46.7008, 79.2567 looks on a white background.

Color Contrast Check

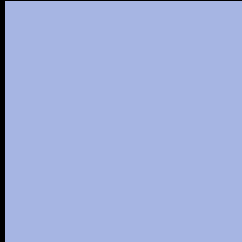
Large Text (above 18pt) WCAG AA × Fail

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 46.1149, 46.7008, 79.2567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

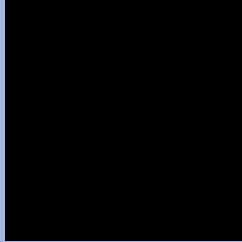
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1149, 46.7008, 79.2567

Background



This preview shows how black text looks on a background with the XYZ color 46.1149, 46.7008, 79.2567.



This preview shows how white text looks on a background with the XYZ color 46.1149, 46.7008,

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

46.1149, 46.7008, 79.2567

Protanopia

46.8433, 46.7914, 78.5142

Deuteranopia

47.8285, 46.6723, 79.8866



Tritanopia

42.7995, 46.9119, 62.0575

Trichromacy



Original Color

46.1149, 46.7008, 79.2567

Protanomaly

46.4109, 46.5685, 78.4940

Deuteranomaly

47.1369, 46.6123, 79.9115

Tritanomaly

43.8776, 46.7207, 67.6782

Monochromacy



Original Color

46.1149, 46.7008, 79.2567

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.8255, 46.7632, 60.0897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1149, 46.7008, 79.2567 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, 181, 227)` looks like.

```
.text, #text, p{  
    color:rgb(166, 181, 227)  
}
```

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, 181, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 181, 227) }
```

Border

The CSS property to change the border of an element to XYZ 46.1149, 46.7008, 79.2567 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, 181, 227) }
```


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

```
.border{ border-color:rgb(166, 181, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 181, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 181, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 181, 227);  
box-shadow:4px 4px 4px 4px rgb(166, 181,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1149, 46.7008, 79.2567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 181, 227) }
```

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

```
.background{ background-color: rgb(166,  
181, 227) }
```

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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