

Converting Colors

XYZ(49.1611, 49.8864, 90.2179)

Have a look what the booklet for
XYZ(49.1611, 49.8864, 90.2179)
contains.

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Color

**XYZ(49.1646, 49.8909,
90.2577)**

Conversions

Conversions Part 1

Format	Color
Hex	A5BBF1
RGB	165, 187, 241
RGB Percent	65%, 73%, 95%
CMY	0.3529, 0.2667, 0.0549
CMYK	0.32, 0.22, 0.00, 0.05
HSL	223°, 73%, 80%
HSV	223°, 32%, 95%
XYZ	49.1646, 49.8909, 90.2577
YIQ	186.5780, -30.4460, 12.1300

Conversions

Conversions Part 2

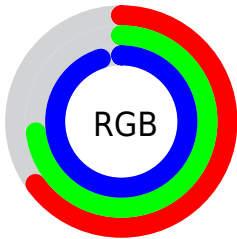
Format	Color
RYB	165, 182, 241
Decimal	10861553
CIELab	76.00, 4.81, -29.25
CIELCh	76, 29.644, 279.329
Yxy	49.8909, 0.2597, 0.2635
Android (android.graphics.Color)	4289051633 (0xFFA5BBF1)
YUV	186.5780, 26.8300, -18.9239
Hunter-Lab	70.6335, 0.6367, -26.3192

Details

The XYZ color **49.1646, 49.8909, 90.2577** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.3996, 72.0813, 45.9070**, and the grayscale version is **46.8640, 49.3046, 53.6927**.

A 20% lighter version of the original color is **79.9194, 86.6933, 107.1290**, and **23.8376, 23.9325, 49.2620** is the 20% darker color. If you saturate the color by 10%, you get **41.1977, 40.7097, 88.9063**, and if you desaturate by 10%, it is **58.5124, 60.4292, 91.8000**.

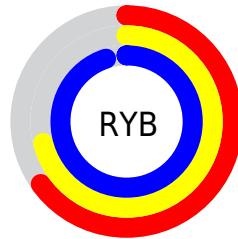
Distribution



Red (65%)

Green (73%)

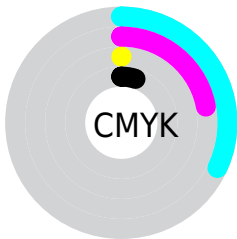
Blue (95%)



Red (65%)

Yellow (71%)

Blue (95%)

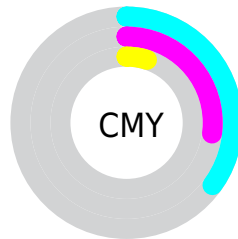


Cyan (32%)

Magenta (22%)

Yellow (0%)

Black (5%)



Cyan (35%)

Magenta (27%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1646, 49.8909, 90.2577 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 49.1646, 49.8909, 90.2577 by changing the saturation by 10% instead.

■ 49.1646, 49.8909,
90.2577

■ 49.1646, 49.8909,
90.2577

373.8962,
386.2391, 549.4605

■ 34.9651, 35.3267,
67.6195

■ 88.1351, 90.0132,
149.6349

■ 23.8024, 23.9147,
49.1235

■ 113.6369,
116.3401, 187.2111

■ 15.3111, 15.2703,
34.3511

143.6368,
147.3567, 230.6035

■ 9.1257, 9.0093,
22.8839

178.5003,
183.4475, 280.2309

■ 4.8810, 4.7473,
14.3033

218.5926,
224.9967, 336.5118

■ 2.2117, 2.0997,
8.1908

264.2791,

■ 0.7489, 0.6645,

272.3887, 399.8646

4.1278

315.9252,
326.0081, 470.7080

■ 0.0000, 0.0000,
1.6957

■ 0.0000, 0.0000,
0.3578

■ 49.1646, 49.8909,
90.2577

■ 49.1646, 49.8909,
90.2577

■ 41.1977, 40.7097,
88.9063

■ 58.5124, 60.4292,
91.8000

■ 34.5385, 32.8221,
87.7348

■ 69.2998, 72.3729,
93.5368

■ 29.1141, 26.1678,
86.7363

■ 81.5875, 85.7750,
95.4760

■ 24.8421, 20.6789,
85.9020

■ 92.8773, 99.1309,
97.4589

■ 21.6291, 16.2801,
85.2223

■ 19.3648, 12.8854,
84.6864

■ 18.0529, 10.7020,
84.3341

Harmonies

Analogous

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



43.7641, 49.8909, 88.0900



49.1646, 49.8909, 90.2577



54.4837, 49.8909, 81.4499

Triad

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



49.1646, 49.8909, 90.2577



56.1303, 49.8909, 37.2168



38.1499, 49.8909, 44.2656

Complementary

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



49.1646, 49.8909, 90.2577



68.3996, 72.0813, 45.9070

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.



40.9945, 49.8909, 34.0063



49.1646, 49.8909, 90.2577



51.2736, 49.8909, 30.5199

Square

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



49.1646, 49.8909, 90.2577



58.7063, 49.8909, 49.5339



45.7168, 49.8909, 29.4715



37.6813, 49.8909, 59.4107

Rectangle

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



49.1646, 49.8909, 90.2577



57.1670, 49.8909, 71.3862



45.7168, 49.8909, 29.4715



38.8488, 49.8909, 40.2212

Sweetspot

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



49.1662, 49.8929, 90.2589



82.1218, 85.9380, 106.8671



59.6547, 75.9835, 77.9904



17.1586, 17.9353, 22.8075



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.



49.1662, 49.8929, 90.2589



49.7610, 49.6807, 101.5744



48.2028, 42.9902, 88.9773



15.2700, 15.9741, 20.0001



9.8898, 6.0038, 45.7655



0.9051, 0.6642, 3.8347

Inverse Universe

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



58.7018, 49.2005, 53.4185



62.3629, 49.2994, 52.7674



69.5493, 81.7646, 47.7155



15.9610, 15.8341, 17.3507



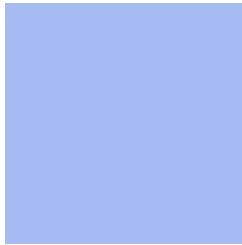
20.3175, 10.3994, 4.3226



1.7318, 0.8818, 0.5786

Previews

White Background



This preview shows how the XYZ color 49.1646, 49.8909, 90.2577 looks on a white background.

Color Contrast Check

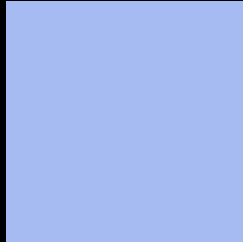
Large Text (above 18pt) WCAG AA × Fail

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 49.1646, 49.8909, 90.2577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

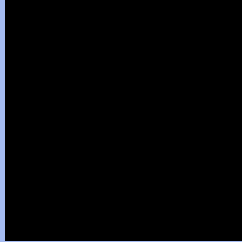
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1646, 49.8909, 90.2577

Background



This preview shows how black text looks on a background with the XYZ color 49.1646, 49.8909, 90.2577.



This preview shows how white text looks on a background with the XYZ color 49.1646, 49.8909,

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

49.1646, 49.8909, 90.2577

Protanopia

50.3107, 49.8734, 89.4130

Deuteranopia

51.0720, 49.9219, 90.9485



Tritanopia

44.5557, 49.9631, 66.9700

Trichromacy



Original Color

49.1646, 49.8909, 90.2577

Protanomaly

49.8646, 49.9551, 89.4522

Deuteranomaly

50.3892, 49.8794, 90.9763

Tritanomaly

46.2470, 50.0060, 74.9248

Monochromacy



Original Color

49.1646, 49.8909, 90.2577

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.6232, 49.6293, 66.1009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1646, 49.8909, 90.2577 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(165, 187, 241)` looks like.

```
.text, #text, p{  
    color:rgb(165, 187, 241)  
}
```

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(165, 187, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 187, 241) }
```

Border

The CSS property to change the border of an element to XYZ 49.1646, 49.8909, 90.2577 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(165, 187, 241) }
```


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

```
.border{ border-color:rgb(165, 187, 241) }
```

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

Here you see how a box with a 4 pixel rgb(165, 187, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 187, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 187, 241);  
box-shadow:4px 4px 4px 4px rgb(165, 187,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1646, 49.8909, 90.2577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 187, 241) }
```

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

```
.background{ background-color: rgb(165,  
187, 241) }
```

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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