

Converting Colors

XYZ(49.7962, 48.3882, 91.4073)

Have a look what the booklet for
XYZ(49.7962, 48.3882, 91.4073)
contains.

XYZ(49.7148, 48.2895, 91.4946)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.7148, 48.2895,
91.4946)**

Conversions

Conversions Part 1

Format	Color
Hex	ACB5F3
RGB	172, 181, 243
RGB Percent	67%, 71%, 95%
CMY	0.3255, 0.2902, 0.0471
CMYK	0.29, 0.26, 0.00, 0.05
HSL	232°, 75%, 81%
HSV	232°, 29%, 95%
XYZ	49.7148, 48.2895, 91.4946
YIQ	185.3770, -25.2660, 17.3740

Conversions

Conversions Part 2

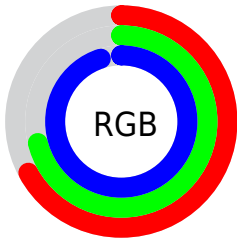
Format	Color
RYB	172, 180, 243
Decimal	11318771
CIELab	75.01, 10.59, -31.82
CIELCh	75, 33.536, 288.401
Yxy	48.2895, 0.2623, 0.2548
Android (android.graphics.Color)	4289508851 (0xFFACB5F3)
YUV	185.3770, 28.4081, -11.7316
Hunter-Lab	69.4906, 6.0933, -29.4205

Details

The XYZ color **49.7148, 48.2895, 91.4946** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **73.8322, 80.8795, 50.7513**, and the grayscale version is **46.1821, 48.5871, 52.9114**.

A 20% lighter version of the original color is **80.6473, 84.4464, 106.6570**, and **24.1600, 22.8778, 50.1562** is the 20% darker color. If you saturate the color by 10%, you get **40.8703, 37.8062, 89.9381**, and if you desaturate by 10%, it is **60.1947, 60.5935, 93.3180**.

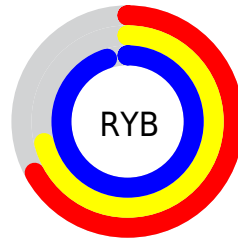
Distribution



Red (67%)

Green (71%)

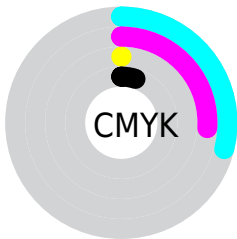
Blue (95%)



Red (67%)

Yellow (71%)

Blue (95%)

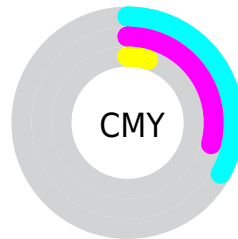


Cyan (29%)

Magenta (26%)

Yellow (0%)

Black (5%)



Cyan (33%)

Magenta (29%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7148, 48.2895, 91.4946 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 49.7148, 48.2895, 91.4946 by changing the saturation by 10% instead.

■ 49.7148, 48.2895,
91.4946

■ 49.7148, 48.2895,
91.4946

376.0200,
379.9385, 553.5759

■ 35.4037, 34.0562,
68.6402

■ 88.9465, 87.6353,
151.3663

■ 24.1420, 22.9368,
49.9488

114.5979,
113.5166, 189.2208

■ 15.5643, 14.5468,
35.0019

144.7600,
144.0493, 232.9124

■ 9.3053, 8.5020,
23.3807

179.7983,
179.6179, 282.8596

■ 4.9995, 4.4178,
14.6670

220.0781,
220.6067, 339.4810

■ 2.2817, 1.9099,
8.4420

265.9647,

■ 0.7853, 0.5543,

267.4001, 403.1952

4.2872

317.8236,
320.3826, 474.4206

■ 0.0000, 0.0000,
1.7842

■ 0.0000, 0.0000,
0.4175

■ 49.7148, 48.2895,
91.4946

■ 49.7148, 48.2895,
91.4946

■ 40.8703, 37.8062,
89.9381

■ 60.1947, 60.5935,
93.3180

■ 33.5737, 29.0513,
88.6328

■ 72.3821, 74.7934,
95.4165

■ 27.7362, 21.9327,
87.5665

■ 86.3507, 90.9669,
97.8021

■ 23.2584, 16.3477,
86.7245

■ 93.1778, 99.2511,
99.0413

■ 20.0278, 12.1815,
86.0906

■ 17.9136, 9.3027,
85.6463

■ 16.7308, 7.5418,
85.3688

■ 16.6628, 7.4410,
85.3529

Harmonies

Analogous

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



43.5713, 48.2895, 93.0005



49.7148, 48.2895, 91.4946



55.2755, 48.2895, 78.2880

Triad

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



49.7148, 48.2895, 91.4946



54.1651, 48.2895, 31.1828



35.3052, 48.2895, 46.0877

Complementary

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



49.7148, 48.2895, 91.4946



73.8322, 80.8795, 50.7513

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.



37.6456, 48.2895, 33.2222



49.7148, 48.2895, 91.4946



48.3055, 48.2895, 25.9861

Square

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



49.7148, 48.2895, 91.4946



57.9981, 48.2895, 42.6388



42.2812, 48.2895, 26.6386



35.6095, 48.2895, 63.9552

Rectangle

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



49.7148, 48.2895, 91.4946



57.7359, 48.2895, 65.9912



42.2812, 48.2895, 26.6386



35.7996, 48.2895, 41.1197

Sweetspot

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



49.7164, 48.2914, 91.4957



81.0417, 83.7776, 106.5071



63.8494, 78.7867, 89.3340



16.8944, 17.4069, 22.7194



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.



49.7164, 48.2914, 91.4957



49.4584, 46.7697, 101.0285



54.2291, 47.9880, 91.1993



15.7504, 16.2652, 20.8519



9.1973, 4.1884, 46.8617



0.8611, 0.4736, 4.1363

Inverse Universe

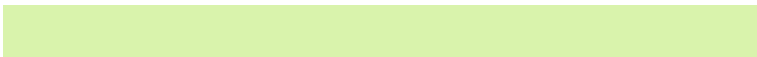
The Inverse Universe completely reimagines the original color for something new.



60.0565, 51.8975, 50.5699



62.7730, 51.6185, 48.2835



68.1035, 81.8274, 51.2362



16.5846, 16.5167, 17.5591



20.4469, 10.5222, 1.7957



1.8237, 0.9354, 0.2979

Previews

White Background



This preview shows how the XYZ color 49.7148, 48.2895, 91.4946 looks on a white background.

Color Contrast Check

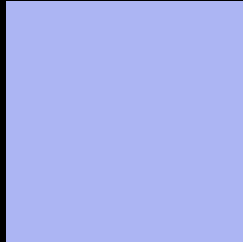
Large Text (above 18pt) WCAG AA × Fail

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 49.7148, 48.2895, 91.4946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

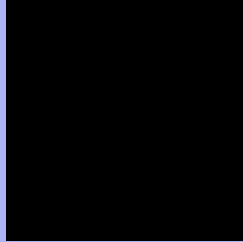
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7148, 48.2895, 91.4946

Background



This preview shows how black text looks on a background with the XYZ color 49.7148, 48.2895, 91.4946.



This preview shows how white text looks on a background with the XYZ color 49.7148, 48.2895,

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

49.7148, 48.2895, 91.4946

Protanopia

48.9934, 48.2030, 92.3098

Deuteranopia

49.2791, 48.0649, 91.4742



Tritanopia

44.0726, 48.1707, 63.4749

Trichromacy



Original Color

49.7148, 48.2895, 91.4946

Protanomaly

49.4193, 48.4226, 92.3298

Deuteranomaly

49.4961, 48.1767, 91.4843

Tritanomaly

45.9402, 47.9754, 73.1685

Monochromacy



Original Color

49.7148, 48.2895, 91.4946

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.1035, 48.4405, 65.2599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7148, 48.2895, 91.4946 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(172, 181, 243)` looks like.

```
.text, #text, p{  
    color:rgb(172, 181, 243)  
}
```

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(172, 181, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 181, 243) }
```

Border

The CSS property to change the border of an element to XYZ 49.7148, 48.2895, 91.4946 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(172, 181, 243) }
```


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

```
.border{ border-color:rgb(172, 181, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 181, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 181, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 181, 243); box-shadow:4px 4px 4px 4px rgb(172, 181, 243) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7148, 48.2895, 91.4946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 181, 243) }
```

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

```
.background{ background-color: rgb(172,  
181, 243) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor