

Converting Colors

XYZ(49.0962, 51.4900, 74.3688)

Have a look what the booklet for
XYZ(49.0962, 51.4900, 74.3688)
contains.

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Color

**XYZ(49.0962, 51.4900,
74.3688)**

Conversions

Conversions Part 1

Format	Color
Hex	AFBFDB
RGB	175, 191, 219
RGB Percent	69%, 75%, 86%
CMY	0.3137, 0.2510, 0.1412
CMYK	0.20, 0.13, 0.00, 0.14
HSL	218°, 38%, 77%
HSV	218°, 20%, 86%
XYZ	49.0962, 51.4900, 74.3688
YIQ	189.4080, -18.5240, 5.3160

Conversions

Conversions Part 2

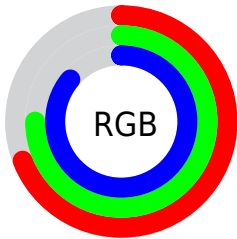
Format	Color
R _Y B	175, 187, 219
Decimal	11517915
CIE Lab	76.97, 0.43, -15.83
CIE LCh	77, 15.837, 271.544
Yxy	51.4900, 0.2806, 0.2943
Android (android.graphics.Color)	4289707995 (0xFFAFBFDB)
YUV	189.4080, 14.5889, -12.6358
Hunter-Lab	71.7565, -3.4433, -11.2189

Details

The XYZ color **49.0962, 51.4900, 74.3688** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **58.3078, 60.8674, 49.2342**, and the grayscale version is **48.5313, 51.0587, 55.6029**.

A 20% lighter version of the original color is **84.2658, 90.7305, 107.6792**, and **23.8154, 24.9949, 38.6912** is the 20% darker color. If you saturate the color by 10%, you get **41.6782, 43.3681, 73.1929**, and if you desaturate by 10%, it is **57.6037, 60.6054, 75.6807**.

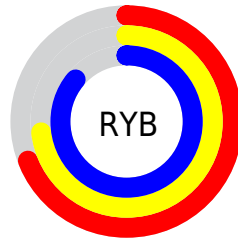
Distribution



Red (69%)

Green (75%)

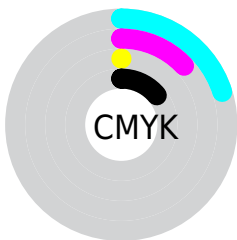
Blue (86%)



Red (69%)

Yellow (73%)

Blue (86%)

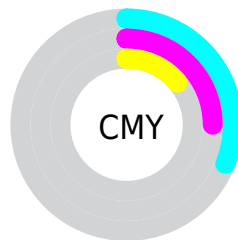


Cyan (20%)

Magenta (13%)

Yellow (0%)

Black (14%)



Cyan (31%)

Magenta (25%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0962, 51.4900, 74.3688 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 49.0962, 51.4900, 74.3688 by changing the saturation by 10% instead.

■ 49.0962, 51.4900,
74.3688

■ 49.0962, 51.4900,
74.3688

373.6316,
392.4646, 494.9427

■ 34.9106, 36.5987,
54.5973

■ 88.0342, 92.3787,
127.1573

■ 23.7602, 24.8970,
38.6830

113.5173,
119.1448, 161.0115

■ 15.2796, 16.0003,
26.2073

143.4970,
150.6381, 200.3969

■ 9.1035, 9.5244,
16.7516

178.3387,
187.2428, 245.7322

■ 4.8664, 5.0848,
9.8975

218.4076,
229.3435, 297.4359

■ 2.2030, 2.2971,
5.2263

264.0691,

■ 0.7443, 0.7722,

277.3244, 355.9265

2.3196

315.6887,
331.5699, 421.6226

■ 0.0000, 0.0000,
0.7422

■ 0.0000, 0.0000,
0.0000

■ 49.0962, 51.4900,
74.3688

■ 49.0962, 51.4900,
74.3688

■ 41.6782, 43.3681,
73.1929

■ 57.6037, 60.6054,
75.6807

■ 35.2986, 36.1976,
72.1451

■ 67.2394, 70.7419,
77.1294

■ 29.9090, 29.9423,
71.2218

■ 78.0460, 81.9337,
78.7200

■ 25.4550, 24.5613,
70.4179

■ 87.2095, 92.7409,
80.3231

■ 21.8768, 20.0097,
69.7280

■ 89.7864, 97.8945,
81.1820

■ 19.1066, 16.2383,
69.1460

■ 17.0651, 13.1906,
68.6653

■ 15.6292, 10.8001,
68.2796

Harmonies

Analogous

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



46.2269, 51.4900, 71.9785



49.0962, 51.4900, 74.3688



52.0382, 51.4900, 71.4509

Triad

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



49.0962, 51.4900, 74.3688



54.0528, 51.4900, 47.8124



44.0138, 51.4900, 48.5132

Complementary

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



49.0962, 51.4900, 74.3688



58.3078, 60.8674, 49.2342

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.



45.9667, 51.4900, 43.0615



49.0962, 51.4900, 74.3688



51.7566, 51.4900, 42.6871

Square

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



49.0962, 51.4900, 74.3688



54.9717, 51.4900, 55.6173



48.7835, 51.4900, 41.0398



43.3659, 51.4900, 56.5128

Rectangle

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



49.0962, 51.4900, 74.3688



53.6252, 51.4900, 67.0458



48.7835, 51.4900, 41.0398



44.5354, 51.4900, 46.3518

Sweetspot

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



49.0978, 51.4921, 74.3700



86.6158, 91.1576, 107.6378



53.7754, 64.0835, 65.9528



18.3505, 19.3124, 23.0104



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.



49.0978, 51.4921, 74.3700



64.8173, 67.8039, 104.2790



47.1422, 45.5834, 73.3325



12.7244, 13.3886, 16.5658



9.3625, 6.5945, 40.5178



0.6869, 0.5879, 2.6517

Inverse Universe

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



53.9487, 49.4830, 56.0002



72.8894, 64.7154, 73.6541



60.5497, 67.9253, 50.4783



13.2508, 13.1294, 14.5818



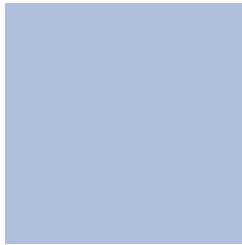
18.2211, 9.2895, 5.5444



1.2210, 0.6180, 0.5727

Previews

White Background



This preview shows how the XYZ color 49.0962, 51.4900, 74.3688 looks on a white background.

Color Contrast Check

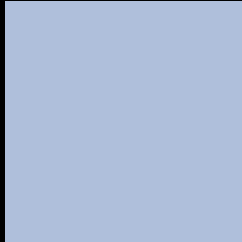
Large Text (above 18pt) WCAG AA × Fail

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 49.0962, 51.4900, 74.3688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

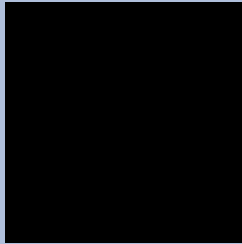
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0962, 51.4900, 74.3688

Background



This preview shows how black text looks on a background with the XYZ color 49.0962, 51.4900, 74.3688.



This preview shows how white text looks on a background with the XYZ color 49.0962, 51.4900,

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

49.0962, 51.4900, 74.3688

Protanopia

50.5152, 51.2905, 72.8833

Deuteranopia

52.5154, 51.3346, 74.8508



Tritanopia

47.6887, 51.5782, 67.1166

Trichromacy



Original Color

49.0962, 51.4900, 74.3688

Protanomaly

49.9085, 51.2809, 73.5974

Deuteranomaly

51.1821, 51.2728, 74.9092

Tritanomaly

48.1889, 51.4514, 69.6786

Monochromacy



Original Color

49.0962, 51.4900, 74.3688

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.6059, 51.1874, 61.9619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0962, 51.4900, 74.3688 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(175, 191, 219)` looks like.

```
.text, #text, p{  
    color:rgb(175, 191, 219)  
}
```

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(175, 191, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 191, 219) }
```

Border

The CSS property to change the border of an element to XYZ 49.0962, 51.4900, 74.3688 is called "border". The border property can be set on classes, ids or directly on the HTML element.

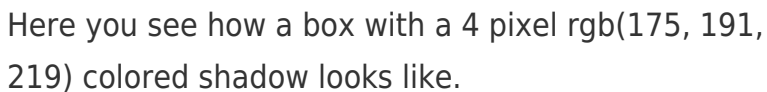
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 191, 219) }
```


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

```
.border{ border-color:rgb(175, 191, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 191, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 191, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 191, 219); box-shadow:4px 4px 4px 4px rgb(175, 191, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0962, 51.4900, 74.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 191, 219) }
```

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

```
.background{ background-color: rgb(175,  
191, 219) }
```

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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