

Converting Colors

XYZ(49.3870, 52.8486, 75.3090)

Have a look what the booklet for
XYZ(49.3870, 52.8486, 75.3090)
contains.

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Color

**XYZ(49.4466, 52.9682,
75.3279)**

Conversions

Conversions Part 1

Format	Color
Hex	ACC3DC
RGB	172, 195, 220
RGB Percent	67%, 76%, 86%
CMY	0.3255, 0.2353, 0.1373
CMYK	0.22, 0.11, 0.00, 0.14
HSL	211°, 41%, 77%
HSV	211°, 22%, 86%
XYZ	49.4466, 52.9682, 75.3279
YIQ	190.9730, -21.7330, 2.8990

Conversions

Conversions Part 2

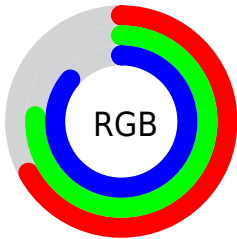
Format	Color
RYB	172, 188, 220
Decimal	11322332
CIELab	77.86, -2.42, -15.07
CIELCh	78, 15.259, 260.874
Yxy	52.9682, 0.2782, 0.2980
Android (android.graphics.Color)	4289512412 (0xFFACC3DC)
YUV	190.9730, 14.3103, -16.6393
Hunter-Lab	72.7793, -6.0899, -10.4208

Details

The XYZ color **49.4466, 52.9682, 75.3279** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.9283, 58.1267, 47.2500**, and the grayscale version is **49.4356, 52.0101, 56.6390**.

A 20% lighter version of the original color is **84.8553, 93.3348, 108.1508**, and **23.9242, 25.6883, 39.2947** is the 20% darker color. If you saturate the color by 10%, you get **42.5430, 45.7446, 74.2983**, and if you desaturate by 10%, it is **57.3497, 61.0021, 76.4629**.

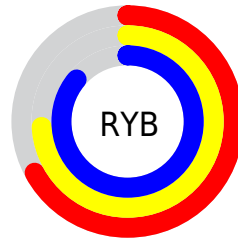
Distribution



Red (67%)

Green (76%)

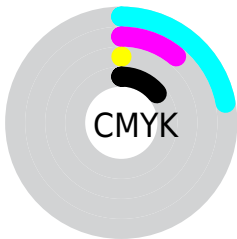
Blue (86%)



Red (67%)

Yellow (74%)

Blue (86%)

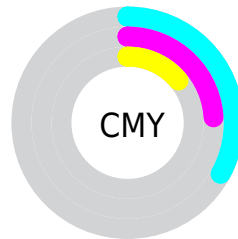


Cyan (22%)

Magenta (11%)

Yellow (0%)

Black (14%)



Cyan (33%)

Magenta (24%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4466, 52.9682, 75.3279 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 49.4466, 52.9682, 75.3279 by changing the saturation by 10% instead.

■ 49.4466, 52.9682,
75.3279

■ 49.4466, 52.9682,
75.3279

374.9857,
398.1631, 498.3293

■ 35.1899, 37.7774,
55.3782

■ 88.5511, 94.5576,
128.5278

■ 23.9764, 25.8100,
39.3040

114.1296,
121.7249, 162.6150

■ 15.4407, 16.6815,
26.6866

144.2128,
153.6532, 202.2519

■ 9.2176, 10.0077,
17.1077

179.1660,
190.7269, 247.8569

■ 4.9416, 5.4041,
10.1485

219.3545,
233.3303, 299.8486

■ 2.2475, 2.4862,
5.3906

265.1437,

■ 0.7676, 0.8697,

281.8479, 358.6456

2.4155

316.8990,
336.6640, 424.6663

■ 0.0000, 0.0000,
0.7949

■ 0.0000, 0.0000,
0.0000

■ 49.4466, 52.9682,
75.3279

■ 49.4466, 52.9682,
75.3279

■ 42.5430, 45.7446,
74.2983

■ 57.3497, 61.0021,
76.4629

■ 36.5904, 39.2959,
73.3673

■ 66.2884, 69.8674,
77.7030

■ 31.5432, 33.5931,
72.5326

■ 76.3027, 79.5919,
79.0522

■ 27.3499, 28.6026,
71.7904

■ 85.5644, 89.2393,
80.4262

■ 23.9532, 24.2876,
71.1365

■ 89.0602, 96.2309,
81.5914

■ 21.2878, 20.6069,
70.5665

■ 89.9184, 97.9474,
81.8775

■ 19.2762, 17.5126,
70.0753

■ 18.0137, 15.3580,
69.7260

Harmonies

Analogous

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



46.8349, 52.9682, 71.2782



49.4466, 52.9682, 75.3279



52.4019, 52.9682, 74.2998

Triad

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



49.4466, 52.9682, 75.3279



55.8572, 52.9682, 52.0532



46.0535, 52.9682, 47.9788

Complementary

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



49.4466, 52.9682, 75.3279



56.9283, 58.1267, 47.2500

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.



48.3420, 52.9682, 43.7330



49.4466, 52.9682, 75.3279



54.0256, 52.9682, 45.9202

Square

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



49.4466, 52.9682, 75.3279



56.1813, 52.9682, 60.2997



51.2536, 52.9682, 43.0182



44.9270, 52.9682, 55.1244

Rectangle

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



49.4466, 52.9682, 75.3279



54.1654, 52.9682, 70.9102



51.2536, 52.9682, 43.0182



46.7080, 52.9682, 46.1957

Sweetspot

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



49.4482, 52.9704, 75.3291



85.8910, 90.9820, 107.6421



52.6626, 63.9801, 62.2781



18.2226, 19.3134, 23.0174



0.0000, 0.0000, 0.0000



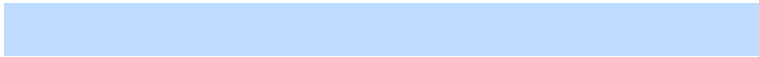
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.4482, 52.9704, 75.3291



64.6792, 69.4350, 104.6011



44.8612, 43.5350, 73.7496



12.8509, 13.6416, 16.6079



10.6822, 9.2339, 40.9577



0.7780, 0.7701, 2.6821

Inverse Universe

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



54.1193, 48.6620, 58.1725



72.3540, 62.7186, 76.3308



62.3141, 69.2570, 49.1145



13.3146, 13.1549, 14.9180



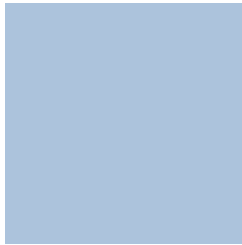
18.8872, 9.5559, 9.0521



1.2670, 0.6364, 0.8149

Previews

White Background



This preview shows how the XYZ color 49.4466, 52.9682, 75.3279 looks on a white background.

Color Contrast Check

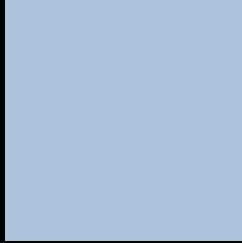
Large Text (above 18pt) WCAG AA × Fail

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 49.4466, 52.9682, 75.3279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

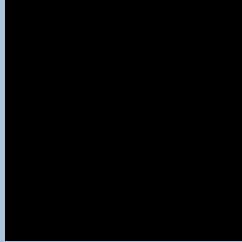
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

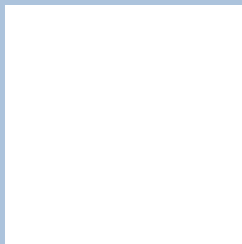
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.4466, 52.9682, 75.3279

Background



This preview shows how black text looks on a background with the XYZ color 49.4466, 52.9682, 75.3279.



This preview shows how white text looks on a background with the XYZ color 49.4466, 52.9682,

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

49.4466, 52.9682, 75.3279

Protanopia

51.8942, 52.9627, 73.1333

Deuteranopia

53.9811, 52.6849, 76.4313



Tritanopia

48.2012, 52.7794, 69.9343

Trichromacy



Original Color

49.4466, 52.9682, 75.3279

Protanomaly

50.7959, 52.7063, 73.8258

Deuteranomaly

52.2036, 52.7387, 75.8348

Tritanomaly

48.8003, 53.0441, 71.9565

Monochromacy



Original Color

49.4466, 52.9682, 75.3279

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.2775, 52.1539, 63.3466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4466, 52.9682, 75.3279 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, 195, 220)` looks like.

```
.text, #text, p{  
    color:rgb(172, 195, 220)  
}
```

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, 195, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 195, 220) }
```

Border

The CSS property to change the border of an element to XYZ 49.4466, 52.9682, 75.3279 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, 195, 220) }
```


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

```
.border{ border-color:rgb(172, 195, 220) }
```

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

Here you see how a box with a 4 pixel rgb(172, 195, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 195, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 195, 220);  
box-shadow:4px 4px 4px 4px rgb(172, 195,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4466, 52.9682, 75.3279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 195, 220) }
```

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

```
.background{ background-color: rgb(172,  
195, 220) }
```

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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