

Converting Colors

XYZ(49.7136, 52.0872, 76.5409)

Have a look what the booklet for
XYZ(49.7136, 52.0872, 76.5409)
contains.

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Color

**XYZ(49.7136, 52.0872,
76.5409)**

Conversions

Conversions Part 1

Format	Color
Hex	AFC0DE
RGB	175, 192, 222
RGB Percent	69%, 75%, 87%
CMY	0.3137, 0.2470, 0.1294
CMYK	0.21, 0.14, 0.00, 0.13
HSL	218°, 42%, 78%
HSV	218°, 21%, 87%
XYZ	49.7136, 52.0872, 76.5409
YIQ	190.3370, -19.7620, 5.7260

Conversions

Conversions Part 2

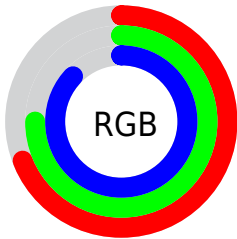
Format	Color
R_{YB}	175, 187, 222
Decimal	11518174
CIE _{Lab}	77.33, 0.56, -16.91
CIE _{LCh}	77, 16.921, 271.890
Yxy	52.0872, 0.2788, 0.2921
Android (android.graphics.Color)	4289708254 (0xFFAFC0DE)
YUV	190.3370, 15.6099, -13.4505
Hunter-Lab	72.1715, -3.3446, -12.3595

Details

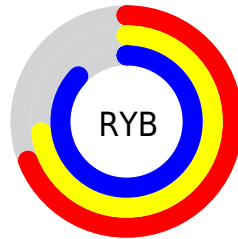
The XYZ color **49.7136, 52.0872, 76.5409** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **59.6937, 62.2872, 49.4349**, and the grayscale version is **49.0600, 51.6150, 56.2087**.

A 20% lighter version of the original color is **84.5724, 91.3437, 107.7814**, and **24.2337, 25.3928, 40.1833** is the 20% darker color. If you saturate the color by 10%, you get **42.1721, 43.8022, 75.3401**, and if you desaturate by 10%, it is **58.3770, 61.3977, 77.8823**.

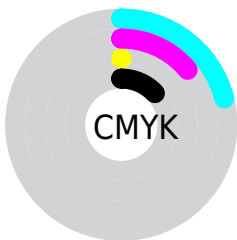
Distribution



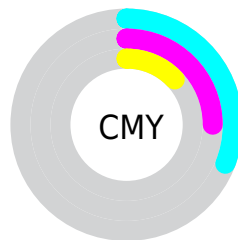
- Red (69%)
- Green (75%)
- Blue (87%)



- Red (69%)
- Yellow (73%)
- Blue (87%)



- Cyan (21%)
- Magenta (14%)
- Yellow (0%)
- Black (13%)



- Cyan (31%)
- Magenta (25%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7136, 52.0872, 76.5409 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 49.7136, 52.0872, 76.5409 by changing the saturation by 10% instead.

■ 49.7136, 52.0872,
76.5409

■ 49.7136, 52.0872,
76.5409

376.0154,
394.7732, 502.5933

■ 35.4028, 37.0746,
56.3668

■ 88.9448, 93.2598,
130.2583

■ 24.1413, 25.2652,
40.0912

114.5958,
120.1886, 164.6387

■ 15.5637, 16.2748,
27.2953

144.7575,
151.8583, 204.5917

■ 9.3049, 9.7188,
17.5607

179.7955,
188.6532, 250.5357

■ 4.9993, 5.2129,
10.4689

220.0748,
230.9577, 302.8893

■ 2.2816, 2.3727,
5.6013

265.9611,

■ 0.7852, 0.8118,

279.1563, 362.0711

2.5394

317.8195,
333.6333, 428.4996

■ 0.0000, 0.0000,
0.8609

■ 0.0000, 0.0000,
0.0000

■ 49.7136, 52.0872,
76.5409

■ 49.7136, 52.0872,
76.5409

■ 42.1721, 43.8022,
75.3401

■ 58.3770, 61.3977,
77.8823

■ 35.6993, 36.4991,
74.2716

■ 68.2028, 71.7629,
79.3651

■ 30.2445, 30.1398,
73.3316

■ 79.2353, 83.2183,
80.9947

■ 25.7511, 24.6816,
72.5149

■ 88.2020, 94.0881,
82.6202

■ 22.1561, 20.0774,
71.8157

■ 90.1850, 98.0540,
83.2812

■ 19.3883, 16.2753,
71.2277

■ 17.3640, 13.2158,
70.7438

■ 16.0764, 11.0568,
70.3950

Harmonies

Analogous

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



46.6218, 52.0872, 74.0040



49.7136, 52.0872, 76.5409



52.8815, 52.0872, 73.3018

Triad

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



49.7136, 52.0872, 76.5409



55.0033, 52.0872, 47.7777



44.1990, 52.0872, 48.6950

Complementary

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



49.7136, 52.0872, 76.5409



59.6937, 62.2872, 49.4349

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.



46.2798, 52.0872, 42.8391



49.7136, 52.0872, 76.5409



52.5095, 52.0872, 42.3516

Square

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



49.7136, 52.0872, 76.5409



56.0172, 52.0872, 56.1262



49.3016, 52.0872, 40.6460



43.5224, 52.0872, 57.3061

Rectangle

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



49.7136, 52.0872, 76.5409



54.5872, 52.0872, 68.4884



49.3016, 52.0872, 40.6460



44.7528, 52.0872, 46.3731

Sweetspot

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



49.7152, 52.0893, 76.5421



86.6069, 91.1398, 107.6348



54.7927, 65.7540, 67.4149



18.3484, 19.3082, 23.0097



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.



49.7152, 52.0893, 76.5421



63.7244, 66.5800, 104.1003



47.6345, 45.7910, 75.4360



13.3559, 14.0509, 17.3959



9.6453, 6.7601, 41.8448



0.7516, 0.6346, 2.9281

Inverse Universe

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



54.9698, 49.9965, 56.6247



72.1029, 63.5017, 72.2842



62.1002, 69.8970, 50.7769



13.9111, 13.7821, 15.3021



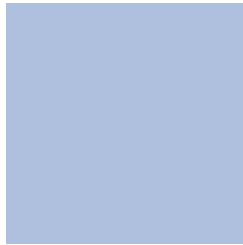
18.8087, 9.5905, 5.6584



1.3456, 0.6815, 0.6128

Previews

White Background



This preview shows how the XYZ color 49.7136, 52.0872, 76.5409 looks on a white background.

Color Contrast Check

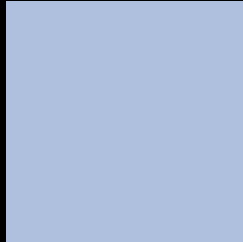
Large Text (above 18pt) WCAG AA × Fail

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 49.7136, 52.0872, 76.5409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

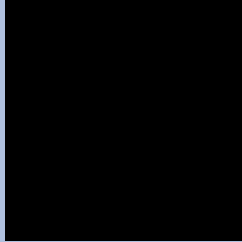
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7136, 52.0872, 76.5409

Background



This preview shows how black text looks on a background with the XYZ color 49.7136, 52.0872, 76.5409.



This preview shows how white text looks on a background with the XYZ color 49.7136, 52.0872,

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

49.7136, 52.0872, 76.5409

Protanopia

51.1234, 51.8768, 75.0289

Deuteranopia

53.1263, 51.9149, 77.0325



Tritanopia

48.1582, 52.1210, 68.4949

Trichromacy



Original Color

49.7136, 52.0872, 76.5409

Protanomaly

50.5207, 51.8711, 75.7560

Deuteranomaly

51.7960, 51.8589, 77.0919

Tritanomaly

48.6631, 51.9936, 71.0893

Monochromacy



Original Color

49.7136, 52.0872, 76.5409

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.2991, 51.8402, 63.2849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7136, 52.0872, 76.5409 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, 192, 222)` looks like.

```
.text, #text, p{  
    color:rgb(175, 192, 222)  
}
```

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, 192, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 192, 222) }
```

Border

The CSS property to change the border of an element to XYZ 49.7136, 52.0872, 76.5409 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, 192, 222) }
```


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

```
.border{ border-color:rgb(175, 192, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 192, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 192, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 192, 222);  
box-shadow:4px 4px 4px 4px rgb(175, 192,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7136, 52.0872, 76.5409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 192, 222) }
```

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

```
.background{ background-color: rgb(175,  
192, 222) }
```

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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