

Converting Colors

XYZ(49.7400, 52.9096, 73.4805)

Have a look what the booklet for
XYZ(49.7400, 52.9096, 73.4805)
contains.

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Color

**XYZ(49.7207, 52.8234,
73.2210)**

Conversions

Conversions Part 1

Format	Color
Hex	B0C2D9
RGB	176, 194, 217
RGB Percent	69%, 76%, 85%
CMY	0.3098, 0.2392, 0.1490
CMYK	0.19, 0.11, 0.00, 0.15
HSL	214°, 35%, 77%
HSV	214°, 19%, 85%
XYZ	49.7207, 52.8234, 73.2210
YIQ	191.2400, -18.1110, 3.3370

Conversions

Conversions Part 2

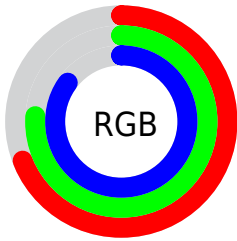
Format	Color
RYB	176, 189, 217
Decimal	11584217
CIELab	77.77, -1.31, -13.55
CIELCh	78, 13.612, 264.480
Yxy	52.8234, 0.2829, 0.3005
Android (android.graphics.Color)	4289774297 (0xFFB0C2D9)
YUV	191.2400, 12.6997, -13.3655
Hunter-Lab	72.6797, -5.0764, -8.8558

Details

The XYZ color **49.7207, 52.8234, 73.2210** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.8758, 58.7334, 49.4146**, and the grayscale version is **49.5979, 52.1809, 56.8250**.

A 20% lighter version of the original color is **85.5143, 92.7470, 108.0026**, and **24.0680, 25.5758, 37.8505** is the 20% darker color. If you saturate the color by 10%, you get **42.6021, 45.2966, 72.1442**, and if you desaturate by 10%, it is **57.8487, 61.2027, 74.4108**.

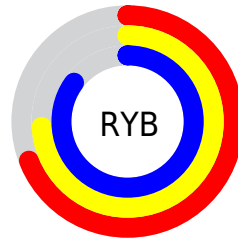
Distribution



Red (69%)

Green (76%)

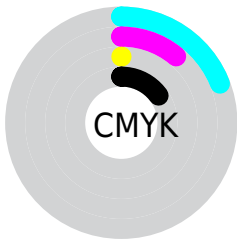
Blue (85%)



Red (69%)

Yellow (74%)

Blue (85%)

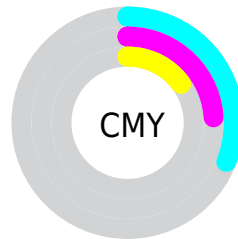


Cyan (19%)

Magenta (11%)

Yellow (0%)

Black (15%)



Cyan (31%)

Magenta (24%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7207, 52.8234, 73.2210 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 49.7207, 52.8234, 73.2210 by changing the saturation by 10% instead.

■ 49.7207, 52.8234,
73.2210

■ 49.7207, 52.8234,
73.2210

376.0428,
397.6072, 490.8717

■ 35.4084, 37.6618,
53.6638

■ 88.9552, 94.3445,
125.5147

■ 24.1456, 25.7203,
37.9416

114.6082,
121.4727, 159.0883

■ 15.5670, 16.6145,
25.6359

144.7720,
153.3586, 198.1711

■ 9.3072, 9.9600,
16.3281

179.8122,
190.3866, 243.1816

■ 5.0008, 5.3725,
9.5998

220.0940,
232.9411, 294.5383

■ 2.2825, 2.4674,
5.0323

265.9828,

■ 0.7857, 0.8603,

281.4064, 352.6599

2.2071

317.8439,
336.1670, 417.9649

■ 0.0000, 0.0000,
0.6785

■ 0.0000, 0.0000,
0.0000

■ 49.7207, 52.8234,
73.2210

■ 49.7207, 52.8234,
73.2210

■ 42.6021, 45.2966,
72.1442

■ 57.8487, 61.2027,
74.4108

■ 36.4457, 38.5860,
71.1734

■ 67.0212, 70.4561,
75.7135

■ 31.2074, 32.6622,
70.3061

■ 77.2772, 80.6125,
77.1333

■ 26.8374, 27.4909,
69.5383

■ 85.7233, 90.1872,
78.5363

■ 23.2810, 23.0352,
68.8657

■ 89.4815, 97.7037,
79.7890

■ 20.4762, 19.2537,
68.2836

■ 89.5245, 97.7898,
79.8034

■ 18.3508, 16.0996,
67.7868

■ 16.7949, 13.5058,
67.3682

■ 16.6420, 13.2446,
67.3258

Harmonies

Analogous

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



47.3173, 52.8234, 70.1682



49.7207, 52.8234, 73.2210



52.3384, 52.8234, 71.7758

Triad

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



49.7207, 52.8234, 73.2210



54.9664, 52.8234, 51.7036



46.1907, 52.8234, 49.4818

Complementary

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



49.7207, 52.8234, 73.2210



56.8758, 58.7334, 49.4146

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.



48.1344, 52.8234, 45.2817



49.7207, 52.8234, 73.2210



53.2121, 52.8234, 46.4837

Square

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



49.7207, 52.8234, 73.2210



55.4271, 52.8234, 58.9245



50.6966, 52.8234, 44.2339



45.3255, 52.8234, 56.1296

Rectangle

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



49.7207, 52.8234, 73.2210



53.8456, 52.8234, 68.5158



50.6966, 52.8234, 44.2339



46.7362, 52.8234, 47.7609

Sweetspot

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



49.7223, 52.8256, 73.2222



86.9664, 91.8588, 107.7546



52.9751, 62.9595, 63.1207



18.4333, 19.4779, 23.0380



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.



49.7223, 52.8256, 73.2222



67.0544, 71.2993, 104.8357



46.4225, 45.5327, 71.9884



12.8068, 13.5533, 16.5932



10.1754, 8.2202, 40.7888



0.7440, 0.7022, 2.6708

Inverse Universe

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



53.8795, 49.6988, 57.7943



74.2574, 66.1773, 78.0384



60.6599, 67.2007, 50.8496



13.2923, 13.1460, 14.8006



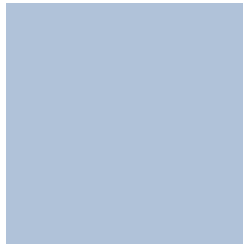
18.6314, 9.4536, 7.7049



1.2499, 0.6296, 0.7247

Previews

White Background



This preview shows how the XYZ color 49.7207, 52.8234, 73.2210 looks on a white background.

Color Contrast Check

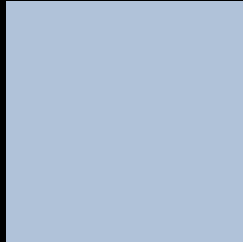
Large Text (above 18pt) WCAG AA × Fail

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 49.7207, 52.8234, 73.2210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

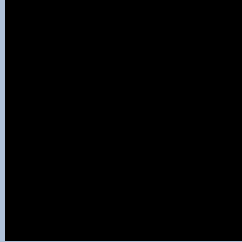
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

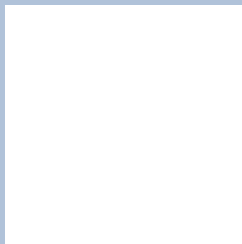
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7207, 52.8234, 73.2210

Background



This preview shows how black text looks on a background with the XYZ color 49.7207, 52.8234, 73.2210.



This preview shows how white text looks on a background with the XYZ color 49.7207, 52.8234,

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

49.7207, 52.8234, 73.2210

Protanopia

51.8828, 52.9867, 71.7829

Deuteranopia

53.7139, 52.6084, 73.6531



Tritanopia

48.9522, 52.8473, 69.2485

Trichromacy



Original Color

49.7207, 52.8234, 73.2210

Protanomaly

51.0115, 52.8475, 72.4777

Deuteranomaly

52.3035, 52.8360, 73.7713

Tritanomaly

49.2045, 52.9483, 70.5775

Monochromacy



Original Color

49.7207, 52.8234, 73.2210

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.5247, 52.3085, 62.1299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7207, 52.8234, 73.2210 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(176, 194, 217)` looks like.

```
.text, #text, p{  
    color:rgb(176, 194, 217)  
}
```

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(176, 194, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 194, 217) }
```

Border

The CSS property to change the border of an element to XYZ 49.7207, 52.8234, 73.2210 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(176, 194, 217) }
```


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

```
.border{ border-color:rgb(176, 194, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 194, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 194, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 194, 217); box-shadow:4px 4px 4px 4px rgb(176, 194, 217) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7207, 52.8234, 73.2210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 194, 217) }
```

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

```
.background{ background-color: rgb(176,  
194, 217) }
```

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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