

Converting Colors

XYZ(49.0397, 53.8444, 72.0919)

Have a look what the booklet for
XYZ(49.0397, 53.8444, 72.0919)
contains.

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Color

**XYZ(49.0374, 53.8405,
72.0977)**

Conversions

Conversions Part 1

Format	Color
Hex	AAC6D7
RGB	170, 198, 215
RGB Percent	67%, 78%, 84%
CMY	0.3333, 0.2235, 0.1569
CMYK	0.21, 0.08, 0.00, 0.16
HSL	203°, 36%, 75%
HSV	203°, 21%, 84%
XYZ	49.0374, 53.8405, 72.0977
YIQ	191.5660, -22.1450, -0.6490

Conversions

Conversions Part 2

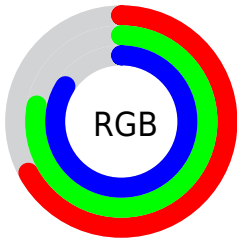
Format	Color
R _Y B	170, 187, 215
Decimal	11192023
CIE Lab	78.37, -5.74, -11.62
CIE LCh	78, 12.958, 243.701
Yxy	53.8405, 0.2803, 0.3077
Android (android.graphics.Color)	4289382103 (0xFFAAC6D7)
YUV	191.5660, 11.5530, -18.9134
Hunter-Lab	73.3761, -9.1162, -6.8938

Details

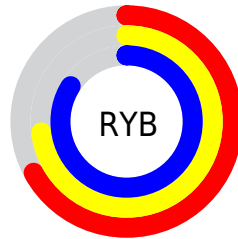
The XYZ color **49.0374, 53.8405, 72.0977** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.0509, 52.8902, 45.4442**, and the grayscale version is **49.7954, 52.3887, 57.0512**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **23.6545, 26.2665, 37.0809** is the 20% darker color. If you saturate the color by 10%, you get **42.9578, 48.0254, 71.2966**, and if you desaturate by 10%, it is **55.9799, 60.2509, 72.9700**.

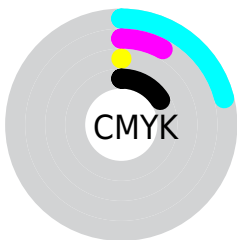
Distribution



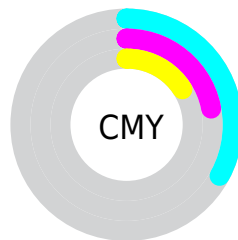
- Red (67%)
- Green (78%)
- Blue (84%)



- Red (67%)
- Yellow (73%)
- Blue (84%)



- Cyan (21%)
- Magenta (8%)
- Yellow (0%)
- Black (16%)



- Cyan (33%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0374, 53.8405, 72.0977 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 49.0374, 53.8405, 72.0977 by changing the saturation by 10% instead.

■ 49.0374, 53.8405,
72.0977

■ 49.0374, 53.8405,
72.0977

373.4041,
401.5015, 486.8683

■ 34.8638, 38.4742,
52.7512

■ 87.9474, 95.8400,
123.9044

■ 23.7240, 26.3509,
37.2178

113.4145,
123.2420, 157.2017

■ 15.2526, 17.0863,
25.0791

143.3768,
155.4246, 195.9863

■ 9.0844, 10.2961,
15.9164

178.1997,
192.7723, 240.6768

■ 4.8538, 5.5957,
9.3113

218.2485,
235.6694, 291.6917

■ 2.1956, 2.6008,
4.8452

263.8886,

■ 0.7404, 0.9271,

284.5004, 349.4496

2.0996

315.4853,
339.6496, 414.3689

■ 0.0000, 0.0000,
0.6155

■ 0.0000, 0.0000,
0.0000

■ 49.0374, 53.8405,
72.0977

■ 49.0374, 53.8405,
72.0977

■ 42.9578, 48.0254,
71.2966

■ 55.9799, 60.2509,
72.9700

■ 37.6978, 42.7769,
70.5608

■ 63.8163, 67.2709,
73.9120

■ 33.2174, 38.0735,
69.8890

■ 72.5820, 74.9221,
74.9268

■ 29.4712, 33.8893,
69.2789

■ 81.9389, 83.0324,
75.9991

■ 26.4086, 30.1957,
68.7273

■ 84.2583, 87.6712,
76.7722

■ 23.9717, 26.9604,
68.2313

■ 86.6845, 92.5236,
77.5809

■ 22.0922, 24.1456,
67.7871

■ 89.2188, 97.5922,
78.4257

■ 20.7619, 21.8984,
67.4234

■ 89.2659, 97.6864,
78.4414

Harmonies

Analogous

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



47.2119, 53.8405, 66.7432



49.0374, 53.8405, 72.0977



51.4901, 53.8405, 73.7406

Triad

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



49.0374, 53.8405, 72.0977



56.2110, 53.8405, 57.7237



48.5078, 53.8405, 47.7256

Complementary

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



49.0374, 53.8405, 72.0977



53.0509, 52.8902, 45.4442

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.



50.8587, 53.8405, 45.7273



49.0374, 53.8405, 72.0977



55.3513, 53.8405, 51.1899

Square

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



49.0374, 53.8405, 72.0977



55.6846, 53.8405, 65.0503



53.3713, 53.8405, 46.9416



46.9134, 53.8405, 52.6339

Rectangle

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



49.0374, 53.8405, 72.0977



53.1649, 53.8405, 72.4062



53.3713, 53.8405, 46.9416



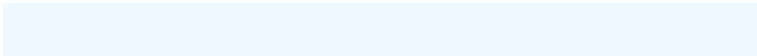
49.2330, 53.8405, 46.7106

Sweetspot

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



49.0390, 53.8427, 72.0989



87.8274, 93.5807, 108.0416



49.7953, 60.7144, 55.8293



18.6368, 19.8849, 23.1059



0.0000, 0.0000, 0.0000



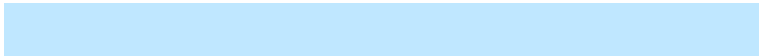
20.3446, 21.4041, 23.3091

Same Dimension

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



49.0390, 53.8427, 72.0989



68.1523, 75.4358, 105.5763



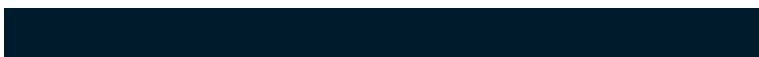
44.3698, 44.5043, 70.5425



12.3798, 13.2830, 15.8489



12.5230, 13.3077, 40.3618



0.8339, 0.9597, 2.4606

Inverse Universe

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



52.5934, 47.2751, 59.7815



74.3379, 64.3957, 84.0536



58.0815, 62.9513, 47.1210



12.7449, 12.5495, 14.5969



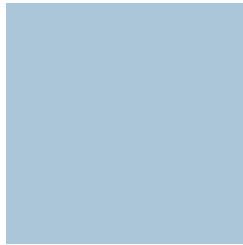
19.3799, 9.6883, 14.5704



1.2085, 0.6002, 1.0876

Previews

White Background



This preview shows how the XYZ color 49.0374, 53.8405, 72.0977 looks on a white background.

Color Contrast Check

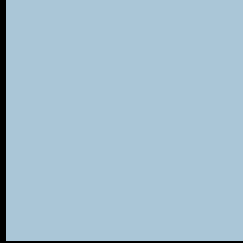
Large Text (above 18pt) WCAG AA × Fail

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 49.0374, 53.8405, 72.0977 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

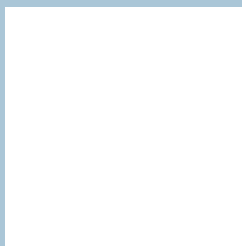
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0374, 53.8405, 72.0977

Background



This preview shows how black text looks on a background with the XYZ color 49.0374, 53.8405, 72.0977.



This preview shows how white text looks on a background with the XYZ color 49.0374, 53.8405,

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

49.0374, 53.8405, 72.0977

Protanopia

52.3457, 53.6089, 69.2167

Deuteranopia

54.5950, 53.3937, 73.0742



Tritanopia

48.9092, 53.7893, 71.4229

Trichromacy



Original Color

49.0374, 53.8405, 72.0977

Protanomaly

50.9426, 53.5274, 69.9342

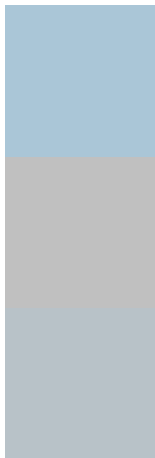
Deuteranomaly

52.4795, 53.6043, 72.5464

Tritanomaly

48.9092, 53.7893, 71.4229

Monochromacy



Original Color

49.0374, 53.8405, 72.0977

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.4843, 52.9441, 62.2547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0374, 53.8405, 72.0977 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(170, 198, 215)` looks like.

```
.text, #text, p{  
    color:rgb(170, 198, 215)  
}
```

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(170, 198, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 198, 215) }
```

Border

The CSS property to change the border of an element to XYZ 49.0374, 53.8405, 72.0977 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(170, 198, 215) }
```


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

```
.border{ border-color:rgb(170, 198, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 198, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 198, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 198, 215);  
box-shadow:4px 4px 4px 4px rgb(170, 198,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0374, 53.8405, 72.0977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 198, 215) }
```

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

```
.background{ background-color: rgb(170,  
198, 215) }
```

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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