

Converting Colors

XYZ(48.7125, 53.9073, 76.9450)

Have a look what the booklet for
XYZ(48.7125, 53.9073, 76.9450)
contains.

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Color

**XYZ(48.7125, 53.9073,
76.9450)**

Conversions

Conversions Part 1

Format	Color
Hex	A3C7DE
RGB	163, 199, 222
RGB Percent	64%, 78%, 87%
CMY	0.3608, 0.2196, 0.1294
CMYK	0.27, 0.10, 0.00, 0.13
HSL	203°, 47%, 75%
HSV	203°, 27%, 87%
XYZ	48.7125, 53.9073, 76.9450
YIQ	190.8580, -28.8390, -0.4790

Conversions

Conversions Part 2

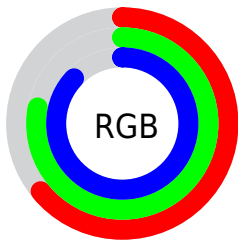
Format	Color
RYB	163, 185, 222
Decimal	10733534
CIELab	78.41, -6.80, -15.37
CIElCh	78, 16.807, 246.147
Yxy	53.9073, 0.2713, 0.3002
Android (android.graphics.Color)	4288923614 (0xFFA3C7DE)
YUV	190.8580, 15.3530, -24.4315
Hunter-Lab	73.4216, -10.0597, -10.7401

Details

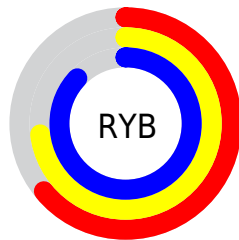
The XYZ color **48.7125, 53.9073, 76.9450** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.2947, 53.2922, 42.0764**, and the grayscale version is **49.3662, 51.9370, 56.5594**.

A 20% lighter version of the original color is **83.0234, 93.8001, 108.3372**, and **23.5309, 26.3558, 40.4062** is the 20% darker color. If you saturate the color by 10%, you get **42.6254, 47.8983, 76.1069**, and if you desaturate by 10%, it is **55.7140, 60.5584, 77.8607**.

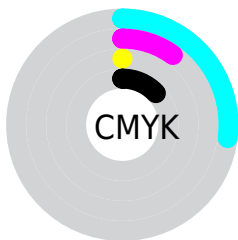
Distribution



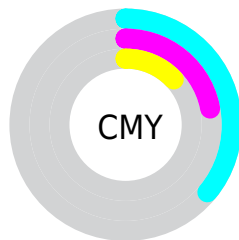
- Red (64%)
- Green (78%)
- Blue (87%)



- Red (64%)
- Yellow (73%)
- Blue (87%)



- Cyan (27%)
- Magenta (10%)
- Yellow (0%)
- Black (13%)



- Cyan (36%)
- Magenta (22%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7125, 53.9073, 76.9450 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 48.7125, 53.9073, 76.9450 by changing the saturation by 10% instead.

■ 48.7125, 53.9073,
76.9450

■ 48.7125, 53.9073,
76.9450

372.1452,
401.7564, 504.0092

■ 34.6051, 38.5276,
56.6964

■ 87.4676, 95.9381,
130.8341

■ 23.5239, 26.3924,
40.3538

■ 112.8460,
123.3580, 165.3118

■ 15.1036, 17.1174,
27.4987

142.7120,
155.5600, 205.3696

■ 8.9789, 10.3182,
17.7123

177.4311,
192.9286, 251.4260

■ 4.7845, 5.6105,
10.5764

217.3687,
235.8481, 303.8997

■ 2.1548, 2.6097,
5.6722

262.8899,

■ 0.7188, 0.9315,

284.7030, 363.2090

2.5812

314.3603,
339.8777, 429.7727

■ 0.0000, 0.0000,
0.8827

■ 0.0000, 0.0000,
0.0000

■ 48.7125, 53.9073,
76.9450

■ 48.7125, 53.9073,
76.9450

■ 42.6254, 47.8983,
76.1069

■ 55.7140, 60.5584,
77.8607

■ 37.4042, 42.4997,
75.3400

■ 63.6655, 67.8688,
78.8526

■ 33.0032, 37.6864,
74.6429

■ 72.6065, 75.8627,
79.9244

■ 29.3700, 33.4285,
74.0126

■ 82.5729, 84.5611,
81.0780

■ 26.4455, 29.6926,
73.4456

■ 86.2580, 90.2001,
81.9722

■ 24.1612, 26.4402,
72.9382

■ 88.8988, 95.4816,
82.8525

■ 22.4303, 23.6234,
72.4857

■ 90.1850, 98.0540,
83.2812

■ 21.9141, 22.7323,
72.3409

Harmonies

Analogous

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



46.2797, 53.9073, 70.0873



48.7125, 53.9073, 76.9450



51.9201, 53.9073, 78.6931

Triad

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



48.7125, 53.9073, 76.9450



57.8123, 53.9073, 56.7705



47.5829, 53.9073, 45.2037

Complementary

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



48.7125, 53.9073, 76.9450



54.2947, 53.2922, 42.0764

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.



50.5605, 53.9073, 42.4105



48.7125, 53.9073, 76.9450



56.5368, 53.9073, 48.6109

Square

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



48.7125, 53.9073, 76.9450



57.2658, 53.9073, 66.3601



53.8478, 53.9073, 43.5876



45.6474, 53.9073, 51.6458

Rectangle

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



48.7125, 53.9073, 76.9450



54.0862, 53.9073, 76.5772



53.8478, 53.9073, 43.5876



48.4902, 53.9073, 43.8403

Sweetspot

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



48.7141, 53.9095, 76.9462



85.4545, 91.3651, 107.7390



50.0489, 63.5591, 55.8725



17.9256, 19.2229, 23.0156



0.0000, 0.0000, 0.0000



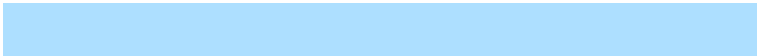
20.3446, 21.4041, 23.3091

Same Dimension

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



48.7141, 53.9095, 76.9462



61.8113, 69.0282, 104.6737



42.6432, 41.7675, 74.9226



13.6446, 14.6284, 17.4921



13.1274, 13.7243, 43.0055



0.9962, 1.1238, 3.0097

Inverse Universe

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



53.5316, 45.8489, 60.0635



69.6057, 56.6389, 77.2120



61.0663, 66.8353, 44.3336



14.0569, 13.8404, 16.0696



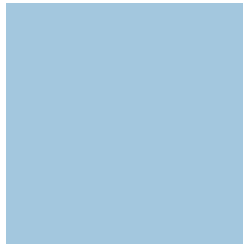
20.5663, 10.2935, 14.9138



1.4691, 0.7309, 1.2630

Previews

White Background



This preview shows how the XYZ color 48.7125, 53.9073, 76.9450 looks on a white background.

Color Contrast Check

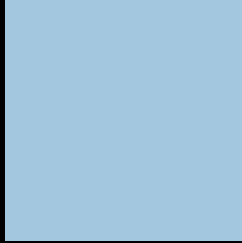
Large Text (above 18pt) WCAG AA × Fail

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 48.7125, 53.9073, 76.9450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

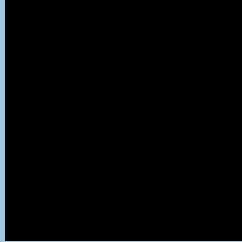
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7125, 53.9073, 76.9450

Background



This preview shows how black text looks on a background with the XYZ color 48.7125, 53.9073, 76.9450.



This preview shows how white text looks on a background with the XYZ color 48.7125, 53.9073,

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

48.7125, 53.9073, 76.9450

Protanopia

52.7397, 53.7084, 73.9167

Deuteranopia

54.9408, 53.7828, 78.0064



Tritanopia

47.9492, 53.9478, 72.8515

Trichromacy



Original Color

48.7125, 53.9073, 76.9450

Protanomaly

51.1237, 53.8480, 74.7170

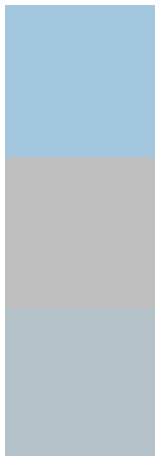
Deuteranomaly

52.3968, 53.7819, 77.4314

Tritanomaly

48.2095, 54.0519, 74.2218

Monochromacy



Original Color

48.7125, 53.9073, 76.9450

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.0085, 52.6716, 63.4607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7125, 53.9073, 76.9450 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(163, 199, 222)` looks like.

```
.text, #text, p{  
    color:rgb(163, 199, 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(163, 199, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 199, 222) }
```

Border

The CSS property to change the border of an element to XYZ 48.7125, 53.9073, 76.9450 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(163, 199, 222) }
```


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

```
.border{ border-color:rgb(163, 199, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 199, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 199, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 199, 222);  
box-shadow:4px 4px 4px 4px rgb(163, 199,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7125, 53.9073, 76.9450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 199, 222) }
```

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

```
.background{ background-color: rgb(163,  
199, 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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