

Converting Colors

XYZ(49.2952, 51.0388, 78.7728)

Have a look what the booklet for
XYZ(49.2952, 51.0388, 78.7728)
contains.

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Color

**XYZ(49.2376, 51.1474,
78.5115)**

Conversions

Conversions Part 1

Format	Color
Hex	ADBEE1
RGB	173, 190, 225
RGB Percent	68%, 75%, 88%
CMY	0.3216, 0.2549, 0.1176
CMYK	0.23, 0.16, 0.00, 0.12
HSL	220°, 46%, 78%
HSV	220°, 23%, 88%
XYZ	49.2376, 51.1474, 78.5115
YIQ	188.9070, -21.3670, 7.2810

Conversions

Conversions Part 2

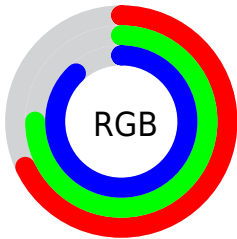
Format	Color
R_{YB}	173, 186, 225
Decimal	11386593
CIE Lab	76.77, 1.70, -19.40
CIE LCh	77, 19.474, 275.015
Yxy	51.1474, 0.2752, 0.2859
Android (android.graphics.Color)	4289576673 (0xFFADBEE1)
YUV	188.9070, 17.7938, -13.9504
Hunter-Lab	71.5174, -2.2636, -15.0261

Details

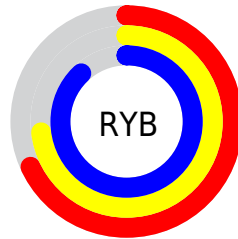
The XYZ color **49.2376, 51.1474, 78.5115** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **61.1505, 64.1365, 48.6929**, and the grayscale version is **48.2282, 50.7398, 55.2556**.

A 20% lighter version of the original color is **83.3189, 89.7895, 107.5475**, and **23.9471, 24.7867, 41.5524** is the 20% darker color. If you saturate the color by 10%, you get **41.5639, 42.5738, 77.2619**, and if you desaturate by 10%, it is **58.0931, 60.8387, 79.9162**.

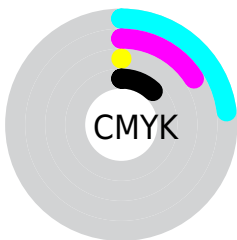
Distribution



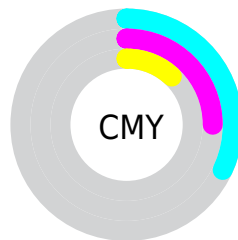
- Red (68%)
- Green (75%)
- Blue (88%)



- Red (68%)
- Yellow (73%)
- Blue (88%)



- Cyan (23%)
- Magenta (16%)
- Yellow (0%)
- Black (12%)



- Cyan (32%)
- Magenta (25%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2376, 51.1474, 78.5115 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 49.2376, 51.1474, 78.5115 by changing the saturation by 10% instead.

■ 49.2376, 51.1474,
78.5115

■ 49.2376, 51.1474,
78.5115

374.1784,
391.1362, 509.4761

■ 35.0233, 36.3259,
57.9753

■ 88.2428, 91.8726,
133.0634

■ 23.8474, 24.6860,
41.3742

113.7645,
118.5452, 167.9161

■ 15.3446, 15.8433,
28.2897

143.7860,
149.9368, 208.3781

■ 9.1495, 9.4133,
18.3032

178.6727,
186.4321, 254.8679

■ 4.8967, 5.0117,
10.9962

218.7899,
228.4152, 307.8041

■ 2.2209, 2.2542,
5.9502

264.5030,

■ 0.7537, 0.7493,

276.2707, 367.6051

2.7465

316.1774,
330.3829, 434.6896

■ 0.0000, 0.0000,
0.9667

■ 0.0000, 0.0000,
0.0000

■ 49.2376, 51.1474,
78.5115

■ 49.2376, 51.1474,
78.5115

■ 41.5639, 42.5738,
77.2619

■ 58.0931, 60.8387,
79.9162

■ 35.0150, 35.0693,
76.1586

■ 68.1746, 71.6813,
81.4777

■ 29.5360, 28.5908,
75.1969

■ 79.5297, 83.7153,
83.2020

■ 25.0653, 23.0895,
74.3707

■ 89.1962, 95.4271,
84.9531

■ 21.5344, 18.5121,
73.6732

■ 90.5908, 98.2163,
85.4180

■ 18.8656, 14.7993,
73.0972

■ 16.9664, 11.8828,
72.6344

■ 16.0107, 10.2763,
72.3747

Harmonies

Analogous

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



45.6753, 51.1474, 76.2383



49.2376, 51.1474, 78.5115



52.8045, 51.1474, 74.0670

Triad

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



49.2376, 51.1474, 78.5115



54.6663, 51.1474, 44.8155



42.4561, 51.1474, 47.5332

Complementary

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



49.2376, 51.1474, 78.5115



61.1505, 64.1365, 48.6929

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.



44.6515, 51.1474, 40.6371



49.2376, 51.1474, 78.5115



51.6762, 51.1474, 39.2129

Square

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



49.2376, 51.1474, 78.5115



56.0384, 51.1474, 53.9315



47.9958, 51.1474, 37.7855



41.8763, 51.1474, 57.4880

Rectangle

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



49.2376, 51.1474, 78.5115



54.6686, 51.1474, 68.1870



47.9958, 51.1474, 37.7855



43.0240, 51.1474, 44.8230

Sweetspot

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



49.2392, 51.1495, 78.5127



85.0716, 89.3433, 107.3690



55.5040, 67.2733, 69.5204



18.0330, 18.9343, 22.9542



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.



49.2392, 51.1495, 78.5127



60.0210, 61.9601, 103.4038



47.7481, 45.2291, 77.4485



13.3162, 13.9716, 17.3826



9.3210, 6.1115, 41.7367



0.7258, 0.5830, 2.9195

Inverse Universe

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



55.2904, 49.6137, 55.3798



69.5533, 59.8773, 66.8880



62.8865, 71.5183, 50.0263



13.8911, 13.7741, 15.1966



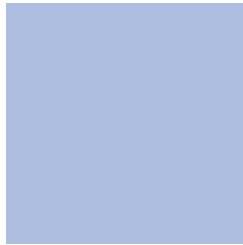
18.6450, 9.5250, 4.7963



1.3326, 0.6763, 0.5443

Previews

White Background



This preview shows how the XYZ color 49.2376, 51.1474, 78.5115 looks on a white background.

Color Contrast Check

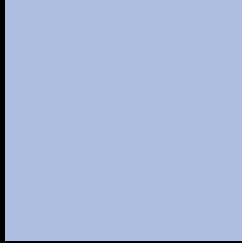
Large Text (above 18pt) WCAG AA × Fail

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 49.2376, 51.1474, 78.5115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

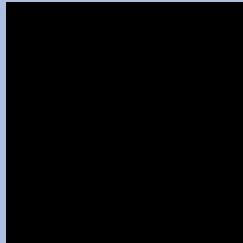
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2376, 51.1474, 78.5115

Background



This preview shows how black text looks on a background with the XYZ color 49.2376, 51.1474, 78.5115.



This preview shows how white text looks on a background with the XYZ color 49.2376, 51.1474,

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

49.2376, 51.1474, 78.5115

Protanopia

50.5939, 51.2392, 77.0356

Deuteranopia

52.0627, 51.0077, 79.0530



Tritanopia

47.0327, 51.2400, 67.0859

Trichromacy



Original Color

49.2376, 51.1474, 78.5115

Protanomaly

50.2425, 51.3607, 77.7866

Deuteranomaly

51.0262, 51.0989, 79.1252

Tritanomaly

47.7818, 51.2122, 70.9849

Monochromacy



Original Color

49.2376, 51.1474, 78.5115

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.3867, 50.7267, 63.1181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2376, 51.1474, 78.5115 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(173, 190, 225)` looks like.

```
.text, #text, p{  
    color:rgb(173, 190, 225)  
}
```

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(173, 190, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 190, 225) }
```

Border

The CSS property to change the border of an element to XYZ 49.2376, 51.1474, 78.5115 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(173, 190, 225) }
```


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

```
.border{ border-color:rgb(173, 190, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 190, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 190, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 190, 225);  
box-shadow:4px 4px 4px 4px rgb(173, 190,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2376, 51.1474, 78.5115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 190, 225) }
```

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

```
.background{ background-color: rgb(173,  
190, 225) }
```

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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