

Converting Colors

XYZ(49.6527, 51.3903, 77.0478)

Have a look what the booklet for
XYZ(49.6527, 51.3903, 77.0478)
contains.

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Color

**XYZ(49.6372, 51.3847,
77.1141)**

Conversions

Conversions Part 1

Format	Color
Hex	B0BEDF
RGB	176, 190, 223
RGB Percent	69%, 75%, 87%
CMY	0.3098, 0.2549, 0.1255
CMYK	0.21, 0.15, 0.00, 0.13
HSL	222°, 42%, 78%
HSV	222°, 21%, 87%
XYZ	49.6372, 51.3847, 77.1141
YIQ	189.5760, -18.9370, 7.2950

Conversions

Conversions Part 2

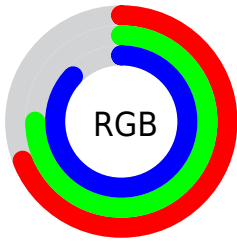
Format	Color
R_{YB}	176, 187, 223
Decimal	11583199
CIE _{Lab}	76.91, 2.17, -18.08
CIE _{LCh}	77, 18.211, 276.838
Yxy	51.3847, 0.2786, 0.2885
Android (android.graphics.Color)	4289773279 (0xFFB0BEDF)
YUV	189.5760, 16.4780, -11.9062
Hunter-Lab	71.6831, -1.8426, -13.6038

Details

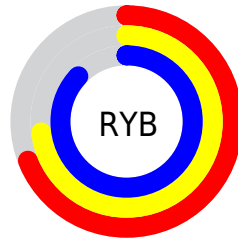
The XYZ color **49.6372, 51.3847, 77.1141** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **61.0689, 64.4236, 50.2918**, and the grayscale version is **48.6172, 51.1491, 55.7014**.

A 20% lighter version of the original color is **84.2845, 90.2873, 107.5927**, and **24.1819, 24.9294, 40.5831** is the 20% darker color. If you saturate the color by 10%, you get **41.7925, 42.5751, 75.8280**, and if you desaturate by 10%, it is **58.6776, 61.3540, 78.5627**.

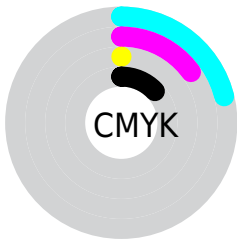
Distribution



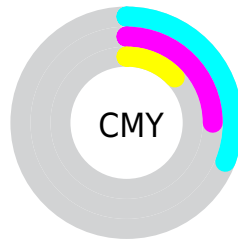
- Red (69%)
- Green (75%)
- Blue (87%)



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



- Cyan (21%)
- Magenta (15%)
- Yellow (0%)
- Black (13%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6372, 51.3847, 77.1141 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 49.6372, 51.3847, 77.1141 by changing the saturation by 10% instead.

■ 49.6372, 51.3847,
77.1141

■ 49.6372, 51.3847,
77.1141

375.7210,
392.0566, 504.6010

■ 35.3418, 36.5149,
56.8344

■ 88.8321, 92.2232,
131.0750

■ 24.0941, 24.8321,
40.4638

114.4624,
118.9606, 165.5933

■ 15.5285, 15.9520,
27.5838

144.6017,
150.4227, 205.6949

■ 9.2799, 9.4902,
17.7759

179.6154,
186.9938, 251.7983

■ 4.9827, 5.0623,
10.6214

219.8688,
229.0583, 304.3221

■ 2.2718, 2.2838,
5.7019

265.7273,

■ 0.7802, 0.7651,

277.0007, 363.6847

2.5989

317.5562,
331.2053, 430.3049

■ 0.0000, 0.0000,
0.8919

■ 0.0000, 0.0000,
0.0000

■ 49.6372, 51.3847,
77.1141

■ 49.6372, 51.3847,
77.1141

■ 41.7925, 42.5751,
75.8280

■ 58.6776, 61.3540,
78.5627

■ 35.0869, 34.8753,
74.6952

■ 68.9576, 72.5182,
80.1758

■ 29.4663, 28.2406,
73.7108

■ 80.5246, 84.9183,
81.9596

■ 24.8697, 22.6210,
72.8684

■ 89.5681, 96.6052,
83.7388

■ 21.2300, 17.9615,
72.1608

■ 90.3194, 98.1078,
83.9892

■ 18.4713, 14.2018,
71.5805

■ 16.5045, 11.2727,
71.1188

■ 15.2932, 9.2753,
70.7971

Harmonies

Analogous

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



46.2655, 51.3847, 75.3903



49.6372, 51.3847, 77.1141



52.9442, 51.3847, 72.6525

Triad

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



49.6372, 51.3847, 77.1141



54.3685, 51.3847, 45.2708



42.9664, 51.3847, 48.7744

Complementary

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



49.6372, 51.3847, 77.1141



61.0689, 64.4236, 50.2918

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.



44.9529, 51.3847, 42.0249



49.6372, 51.3847, 77.1141



51.5074, 51.3847, 40.1754

Square

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



49.6372, 51.3847, 77.1141



55.7582, 51.3847, 53.7079



48.0506, 51.3847, 39.0614



42.5184, 51.3847, 58.2520

Rectangle

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



49.6372, 51.3847, 77.1141



54.6322, 51.3847, 67.0496



48.0506, 51.3847, 39.0614



43.4717, 51.3847, 46.1470

Sweetspot

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



49.6388, 51.3868, 77.1153



86.3118, 90.5496, 107.5364



55.7895, 66.6049, 70.1733



18.2788, 19.1690, 22.9865



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.



49.6388, 51.3868, 77.1153



62.7052, 64.5416, 103.7606



48.9500, 46.7437, 76.2554



13.2832, 13.9056, 17.3716



9.0783, 5.6261, 41.6558



0.7058, 0.5430, 2.9129

Inverse Universe

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



55.2523, 50.4576, 55.5447



71.5884, 63.2960, 69.5752



61.8401, 70.1469, 51.3559



13.8744, 13.7674, 15.1089



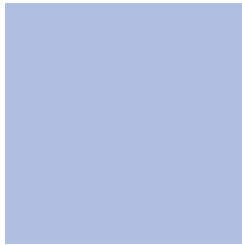
18.5225, 9.4760, 4.1512



1.3225, 0.6723, 0.4911

Previews

White Background



This preview shows how the XYZ color 49.6372, 51.3847, 77.1141 looks on a white background.

Color Contrast Check

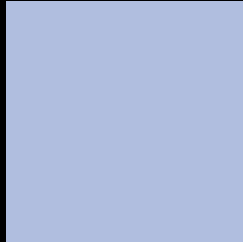
Large Text (above 18pt) WCAG AA × Fail

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 49.6372, 51.3847, 77.1141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

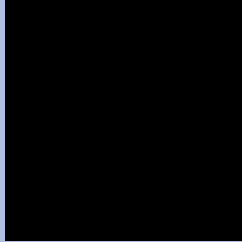
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6372, 51.3847, 77.1141

Background



This preview shows how black text looks on a background with the XYZ color 49.6372, 51.3847, 77.1141.



This preview shows how white text looks on a background with the XYZ color 49.6372, 51.3847,

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

49.6372, 51.3847, 77.1141

Protanopia

50.6965, 51.3076, 76.3386

Deuteranopia

52.2894, 51.1561, 77.6392



Tritanopia

47.6887, 51.5782, 67.1166

Trichromacy



Original Color

49.6372, 51.3847, 77.1141

Protanomaly

50.2048, 51.3724, 76.3770

Deuteranomaly

51.4746, 51.3616, 77.7218

Tritanomaly

48.3154, 51.5020, 70.3452

Monochromacy



Original Color

49.6372, 51.3847, 77.1141

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.0817, 51.4055, 63.2125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6372, 51.3847, 77.1141 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, 190, 223)` looks like.

```
.text, #text, p{  
    color:rgb(176, 190, 223)  
}
```

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, 190, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 190, 223) }
```

Border

The CSS property to change the border of an element to XYZ 49.6372, 51.3847, 77.1141 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, 190, 223) }
```


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

```
.border{ border-color:rgb(176, 190, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 190, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 190, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 190, 223); box-shadow:4px 4px 4px 4px rgb(176, 190, 223) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6372, 51.3847, 77.1141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 190, 223) }
```

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

```
.background{ background-color: rgb(176,  
190, 223) }
```

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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