

Converting Colors

XYZ(51.3773, 49.8872, 86.6048)

Have a look what the booklet for
XYZ(51.3773, 49.8872, 86.6048)
contains.

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Color

**XYZ(51.3652, 49.8682,
86.2752)**

Conversions

Conversions Part 1

Format	Color
Hex	B6B7EC
RGB	182, 183, 236
RGB Percent	71%, 72%, 93%
CMY	0.2863, 0.2823, 0.0745
CMYK	0.23, 0.22, 0.00, 0.07
HSL	239°, 59%, 82%
HSV	239°, 23%, 93%
XYZ	51.3652, 49.8682, 86.2752
YIQ	188.7430, -17.6090, 16.2710

Conversions

Conversions Part 2

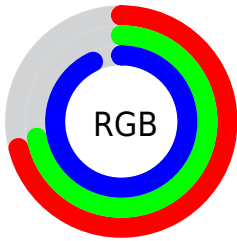
Format	Color
RYB	182, 183, 236
Decimal	11974636
CIELab	75.99, 10.77, -26.47
CIELCh	76, 28.576, 292.134
Yxy	49.8682, 0.2739, 0.2660
Android (android.graphics.Color)	4290164716 (0xFFB6B7EC)
YUV	188.7430, 23.2977, -5.9136
Hunter-Lab	70.6174, 6.2556, -23.0040

Details

The XYZ color **51.3652, 49.8682, 86.2752** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **72.7445, 80.6271, 55.9859**, and the grayscale version is **48.1027, 50.6078, 55.1119**.

A 20% lighter version of the original color is **84.5131, 87.3037, 107.0047**, and **25.1229, 23.8497, 46.4594** is the 20% darker color. If you saturate the color by 10%, you get **41.8637, 38.4529, 84.5734**, and if you desaturate by 10%, it is **62.5953, 63.3440, 88.2852**.

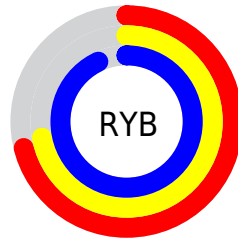
Distribution



Red (71%)

Green (72%)

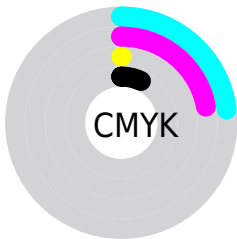
Blue (93%)



Red (71%)

Yellow (72%)

Blue (93%)

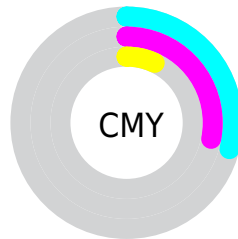


Cyan (23%)

Magenta (22%)

Yellow (0%)

Black (7%)



Cyan (29%)

Magenta (28%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3652, 49.8682, 86.2752 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 51.3652, 49.8682, 86.2752 by changing the saturation by 10% instead.

■ 51.3652, 49.8682,
86.2752

■ 51.3652, 49.8682,
86.2752

382.3453,
386.1503, 536.0924

■ 36.7216, 35.3087,
64.3394

■ 91.3742, 89.9796,
144.0434

■ 25.1647, 23.9008,
46.4777

117.4702,
116.3002, 180.7128

■ 16.3292, 15.2600,
32.2715

148.1144,
147.3100, 223.1306

■ 9.8497, 9.0021,
21.3024

183.6721,
183.3934, 271.7151

■ 5.3609, 4.7425,
13.1519

224.5087,
224.9347, 326.8851

■ 2.4975, 2.0970,
7.4013

270.9895,

■ 0.8940, 0.6629,

272.3184, 389.0589

3.6321

323.4800,
325.9288, 458.6552

■ 0.0000, 0.0000,
1.4257

■ 0.0000, 0.0000,
0.1617

■ 51.3652, 49.8682,
86.2752

■ 51.3652, 49.8682,
86.2752

■ 41.8637, 38.4529,
84.5734

■ 62.5953, 63.3440,
88.2852

■ 34.0005, 28.9909,
83.1615

■ 75.6287, 78.9684,
90.6141

■ 27.6844, 21.3747,
82.0243

■ 90.5417, 96.8317,
93.2761

■ 22.8135, 15.4838,
81.1440

■ 92.1405, 98.8362,
93.5787

■ 19.2735, 11.1834,
80.5005

■ 16.9330, 8.3190,
80.0710

■ 15.6339, 6.7050,
79.8279

■ 15.1880, 6.1512,
79.7445

Harmonies

Analogous

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



46.0094, 49.8682, 88.8698



51.3652, 49.8682, 86.2752



55.9576, 49.8682, 74.3797

Triad

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



51.3652, 49.8682, 86.2752



53.9712, 49.8682, 34.2673



37.9540, 49.8682, 50.3793

Complementary

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



51.3652, 49.8682, 86.2752



72.7445, 80.6271, 55.9859

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.



39.7594, 49.8682, 38.2013



51.3652, 49.8682, 86.2752



48.8147, 49.8682, 30.1046

Square

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



51.3652, 49.8682, 86.2752



57.5391, 49.8682, 43.9736



43.6410, 49.8682, 31.3959



38.5249, 49.8682, 66.1238

Rectangle

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



51.3652, 49.8682, 86.2752



57.8366, 49.8682, 63.8095



43.6410, 49.8682, 31.3959



38.2980, 49.8682, 45.7820

Sweetspot

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



51.3668, 49.8702, 86.2763



83.4488, 86.0977, 106.8280



64.1680, 75.8890, 89.2596



17.6584, 18.1850, 22.8293



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.



51.3668, 49.8702, 86.2763



56.1972, 53.3999, 101.9530



57.6575, 52.8076, 86.5118



14.2536, 14.5936, 18.9879



8.3821, 3.4111, 43.9596



0.6661, 0.2837, 3.4545

Inverse Universe

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



59.8686, 54.7091, 52.2064



67.8459, 60.0472, 55.2680



65.2468, 77.1887, 55.7174



15.0768, 15.0586, 15.6898



19.0862, 9.8372, 0.9892



1.5027, 0.7741, 0.0987

Previews

White Background



This preview shows how the XYZ color 51.3652, 49.8682, 86.2752 looks on a white background.

Color Contrast Check

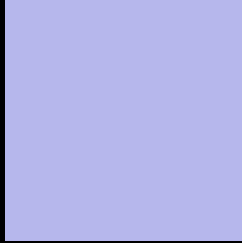
Large Text (above 18pt) WCAG AA × Fail

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 51.3652, 49.8682, 86.2752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

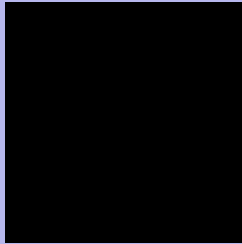
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.3652, 49.8682, 86.2752

Background



This preview shows how black text looks on a background with the XYZ color 51.3652, 49.8682, 86.2752.

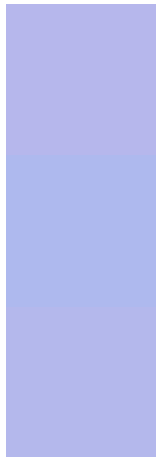


This preview shows how white text looks on a background with the XYZ color 51.3652, 49.8682,

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

51.3652, 49.8682, 86.2752

Protanopia

50.2371, 49.8696, 87.8669

Deuteranopia

51.1032, 50.0404, 86.3222



Tritanopia

47.0012, 49.9849, 64.2976

Trichromacy



Original Color

51.3652, 49.8682, 86.2752

Protanomaly

50.5580, 49.7425, 87.0573

Deuteranomaly

51.3369, 50.1609, 86.3332

Tritanomaly

48.5251, 49.9635, 72.0521

Monochromacy



Original Color

51.3652, 49.8682, 86.2752

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.1606, 50.4360, 65.5366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3652, 49.8682, 86.2752 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(182, 183, 236)` looks like.

```
.text, #text, p{  
    color:rgb(182, 183, 236)  
}
```

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(182, 183, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 183, 236) }
```

Border

The CSS property to change the border of an element to XYZ 51.3652, 49.8682, 86.2752 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(182, 183, 236) }
```


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

```
.border{ border-color:rgb(182, 183, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 183, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 183, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 183, 236);  
box-shadow:4px 4px 4px 4px rgb(182, 183,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3652, 49.8682, 86.2752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 183, 236) }
```

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

```
.background{ background-color: rgb(182,  
183, 236) }
```

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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