

Converting Colors

XYZ(51.2028, 49.6945, 82.5117)

Have a look what the booklet for
XYZ(51.2028, 49.6945, 82.5117)
contains.

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Color

**XYZ(51.1593, 49.5397,
82.4670)**

Conversions

Conversions Part 1

Format	Color
Hex	B9B6E7
RGB	185, 182, 231
RGB Percent	73%, 71%, 91%
CMY	0.2745, 0.2863, 0.0941
CMYK	0.20, 0.21, 0.00, 0.09
HSL	244°, 51%, 81%
HSV	244°, 21%, 91%
XYZ	51.1593, 49.5397, 82.4670
YIQ	188.4830, -13.9410, 15.8750

Conversions

Conversions Part 2

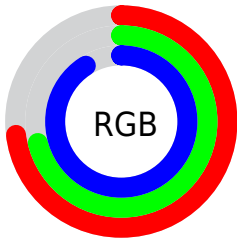
Format	Color
R _Y B	185, 182, 231
Decimal	12170983
CIE Lab	75.79, 11.09, -24.06
CIE LCh	76, 26.491, 294.759
Yxy	49.5397, 0.2793, 0.2705
Android (android.graphics.Color)	4290361063 (0xFFB9B6E7)
YUV	188.4830, 20.9609, -3.0546
Hunter-Lab	70.3844, 6.5709, -20.1989

Details

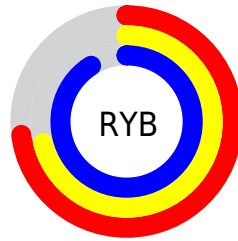
The XYZ color **51.1593, 49.5397, 82.4670** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **69.0159, 77.0244, 55.4878**, and the grayscale version is **47.9660, 50.4640, 54.9553**.

A 20% lighter version of the original color is **85.2425, 87.2463, 106.9552**, and **24.9482, 23.6210, 43.8018** is the 20% darker color. If you saturate the color by 10%, you get **41.9746, 38.3527, 80.7926**, and if you desaturate by 10%, it is **61.9255, 62.7027, 84.4411**.

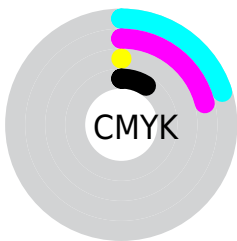
Distribution



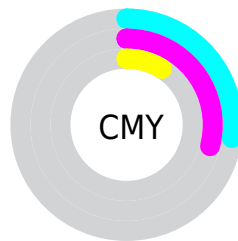
- Red (73%)
- Green (71%)
- Blue (91%)



- Red (73%)
- Yellow (71%)
- Blue (91%)



- Cyan (20%)
- Magenta (21%)
- Yellow (0%)
- Black (9%)



- Cyan (27%)
- Magenta (29%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1593, 49.5397, 82.4670 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 51.1593, 49.5397, 82.4670 by changing the saturation by 10% instead.

■ 51.1593, 49.5397,
82.4670

■ 51.1593, 49.5397,
82.4670

381.5599,
384.8631, 523.1328

■ 36.5570, 35.0478,
61.2125

■ 91.0718, 89.4925,
138.6713

■ 25.0368, 23.6997,
43.9650

117.1127,
115.7222, 174.4581

■ 16.2333, 15.1110,
30.3060

147.6971,
146.6333, 215.9261

■ 9.7813, 8.8973,
19.8170

183.1904,
182.6101, 263.4938

■ 5.3153, 4.6743,
12.0793

223.9580,
224.0371, 317.5798

■ 2.4701, 2.0574,
6.6745

270.3652,

■ 0.8802, 0.6405,

271.2987, 378.6026

3.1840

322.7774,
324.7792, 446.9808

■ 0.0000, 0.0000,
1.1894

■ 0.0000, 0.0000,
0.0000

■ 51.1593, 49.5397,
82.4670

■ 51.1593, 49.5397,
82.4670

■ 41.9746, 38.3527,
80.7926

■ 61.9255, 62.7027,
84.4411

■ 34.2923, 29.0407,
79.4001

■ 74.3377, 77.9243,
86.7250

■ 28.0339, 21.5028,
78.2750

■ 88.4628, 95.2897,
89.3323

■ 23.1115, 15.6262,
77.4001

■ 91.4240, 98.5496,
89.8055

■ 19.4277, 11.2850,
76.7564

■ 16.8717, 8.3357,
76.3218

■ 15.3130, 6.6072,
76.0703

■ 14.6072, 5.8640,
75.9641

Harmonies

Analogous

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



46.2273, 49.5397, 85.6616



51.1593, 49.5397, 82.4670



55.2411, 49.5397, 71.1290

Triad

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



51.1593, 49.5397, 82.4670



52.7572, 49.5397, 34.7035



38.2812, 49.5397, 51.5036

Complementary

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



51.1593, 49.5397, 82.4670



69.0159, 77.0244, 55.4878

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.



39.7758, 49.5397, 39.7711



51.1593, 49.5397, 82.4670



47.9553, 49.5397, 31.2122

Square

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



51.1593, 49.5397, 82.4670



56.2078, 49.5397, 43.3725



43.2349, 49.5397, 32.8919



39.0087, 49.5397, 66.0987

Rectangle

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



51.1593, 49.5397, 82.4670



56.8140, 49.5397, 61.3792



43.2349, 49.5397, 32.8919



38.5371, 49.5397, 47.1281

Sweetspot

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



51.1609, 49.5417, 82.4681



85.2734, 88.0005, 107.0991



61.6116, 71.5057, 86.1568



18.0342, 18.5686, 22.8835



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.



51.1609, 49.5417, 82.4681



59.2801, 56.2130, 102.3335



57.4338, 52.7755, 82.7617



13.6641, 13.9290, 18.1127



8.2232, 3.3051, 42.5877



0.6366, 0.2592, 3.1484

Inverse Universe

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



63.6881, 56.0482, 80.8625



77.3536, 65.6020, 99.9341



61.9364, 73.3748, 55.1565



14.9550, 14.5992, 17.9636



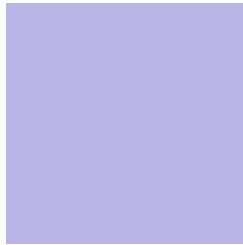
25.5036, 12.3356, 37.8764



1.8963, 0.9162, 2.8602

Previews

White Background



This preview shows how the XYZ color 51.1593, 49.5397, 82.4670 looks on a white background.

Color Contrast Check

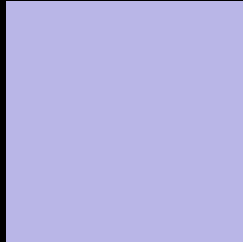
Large Text (above 18pt) WCAG AA × Fail

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 51.1593, 49.5397, 82.4670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

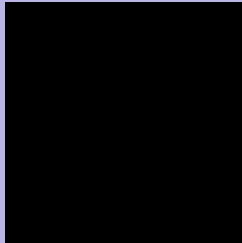
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1593, 49.5397, 82.4670

Background



This preview shows how black text looks on a background with the XYZ color 51.1593, 49.5397, 82.4670.



This preview shows how white text looks on a background with the XYZ color 51.1593, 49.5397,

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

51.1593, 49.5397, 82.4670

Protanopia

49.7361, 49.6951, 84.0615

Deuteranopia

50.6487, 49.5816, 82.5020



Tritanopia

47.2534, 49.5082, 62.9426

Trichromacy



Original Color

51.1593, 49.5397, 82.4670

Protanomaly

50.2964, 49.6909, 83.2843

Deuteranomaly

50.8857, 49.7038, 82.5131

Tritanomaly

48.6506, 49.4471, 69.9309

Monochromacy



Original Color

51.1593, 49.5397, 82.4670

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.9515, 50.0422, 64.2058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1593, 49.5397, 82.4670 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(185, 182, 231)` looks like.

```
.text, #text, p{  
    color:rgb(185, 182, 231)  
}
```

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(185, 182, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 182, 231) }
```

Border

The CSS property to change the border of an element to XYZ 51.1593, 49.5397, 82.4670 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(185, 182, 231) }
```


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

```
.border{ border-color:rgb(185, 182, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 182, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 182, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 182, 231);  
box-shadow:4px 4px 4px 4px rgb(185, 182,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1593, 49.5397, 82.4670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 182, 231) }
```

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

```
.background{ background-color: rgb(185,  
182, 231) }
```

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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