

Converting Colors

XYZ(50.6193, 49.4706, 82.0246)

Have a look what the booklet for
XYZ(50.6193, 49.4706, 82.0246)
contains.

XYZ(50.7449, 49.6474, 81.7713)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.7449, 49.6474,
81.7713)**

Conversions

Conversions Part 1

Format	Color
Hex	B7B7E6
RGB	183, 183, 230
RGB Percent	72%, 72%, 90%
CMY	0.2823, 0.2823, 0.0980
CMYK	0.20, 0.20, 0.00, 0.10
HSL	240°, 48%, 81%
HSV	240°, 20%, 90%
XYZ	50.7449, 49.6474, 81.7713
YIQ	188.3580, -15.0870, 14.6170

Conversions

Conversions Part 2

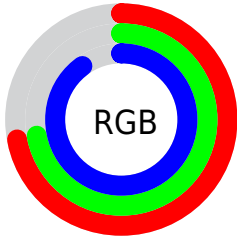
Format	Color
R_{YB}	183, 183, 230
Decimal	12040166
CIE _{Lab}	75.85, 9.71, -23.43
CIE _{LCh}	76, 25.358, 292.506
Yxy	49.6474, 0.2786, 0.2725
Android (android.graphics.Color)	4290230246 (0xFFB7B7E6)
YUV	188.3580, 20.5295, -4.6990
Hunter-Lab	70.4609, 5.2465, -19.4846

Details

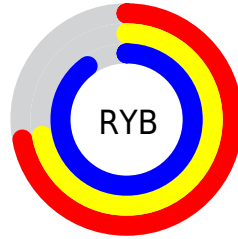
The XYZ color **50.7449, 49.6474, 81.7713** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **69.4779, 76.8359, 55.9702**, and the grayscale version is **47.8978, 50.3922, 54.8771**.

A 20% lighter version of the original color is **84.5131, 87.3037, 107.0047**, and **24.6759, 23.6884, 43.3162** is the 20% darker color. If you saturate the color by 10%, you get **41.3524, 38.3302, 80.0827**, and if you desaturate by 10%, it is **61.8096, 62.9797, 83.7623**.

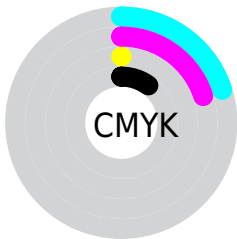
Distribution



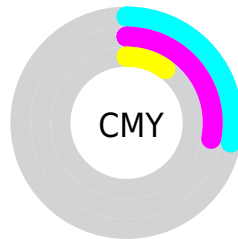
- Red (72%)
- Green (72%)
- Blue (90%)



- Red (72%)
- Yellow (72%)
- Blue (90%)



- Cyan (20%)
- Magenta (20%)
- Yellow (0%)
- Black (10%)



- Cyan (28%)
- Magenta (28%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7449, 49.6474, 81.7713 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 50.7449, 49.6474, 81.7713 by changing the saturation by 10% instead.

■ 50.7449, 49.6474,
81.7713

■ 50.7449, 49.6474,
81.7713

379.9759,
385.2855, 520.7457

■ 36.2258, 35.1333,
60.6423

■ 90.4628, 89.6522,
137.6870

■ 24.7796, 23.7656,
43.5079

116.3924,
115.9118, 173.3109

■ 16.0408, 15.1598,
29.9495

146.8562,
146.8552, 214.6034

■ 9.6440, 8.9316,
19.5485

182.2196,
182.8670, 261.9832

■ 5.2240, 4.6966,
11.8865

222.8478,
224.3316, 315.8688

■ 2.4154, 2.0704,
6.5448

269.1064,

■ 0.8528, 0.6479,

271.6332, 376.6788

3.1050

321.3606,
325.1564, 444.8315

■ 0.0000, 0.0000,
1.1485

■ 0.0000, 0.0000,
0.0000

■ 50.7449, 49.6474,
81.7713

■ 50.7449, 49.6474,
81.7713

■ 41.3524, 38.3302,
80.0827

■ 61.8096, 62.9797,
83.7623

■ 33.5464, 28.9245,
78.6786

■ 74.6173, 78.4121,
86.0660

■ 27.2407, 21.3266,
77.5445

■ 89.2404, 96.0318,
88.6963

■ 22.3393, 15.4206,
76.6628

■ 91.2831, 98.4932,
89.0637

■ 18.7346, 11.0772,
76.0144

■ 16.3040, 8.1484,
75.5772

■ 14.9010, 6.4579,
75.3249

■ 14.2831, 5.7133,
75.2137

Harmonies

Analogous

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



46.0157, 49.6474, 84.1071



50.7449, 49.6474, 81.7713



54.7542, 49.6474, 71.4540

Triad

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



50.7449, 49.6474, 81.7713



52.9253, 49.6474, 35.9610



38.7574, 49.6474, 50.7411

Complementary

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



50.7449, 49.6474, 81.7713



69.4779, 76.8359, 55.9702

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.



40.3537, 49.6474, 39.7421



50.7449, 49.6474, 81.7713



48.3808, 49.6474, 32.1827

Square

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



50.7449, 49.6474, 81.7713



56.0704, 49.6474, 44.7144



43.8020, 49.6474, 33.4414



39.2976, 49.6474, 64.6192

Rectangle

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



50.7449, 49.6474, 81.7713



56.3752, 49.6474, 62.2453



43.8020, 49.6474, 33.4414



39.0581, 49.6474, 46.6213

Sweetspot

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



50.7465, 49.6494, 81.7724



84.9554, 87.8367, 107.0843



61.9995, 72.3312, 84.9819



17.9594, 18.5301, 22.8800



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.



50.7465, 49.6494, 81.7724



58.2845, 55.7002, 102.2870



56.5927, 52.6629, 82.0460



13.5829, 13.8873, 18.1089



8.0862, 3.2346, 42.5813



0.5976, 0.2390, 3.1466

Inverse Universe

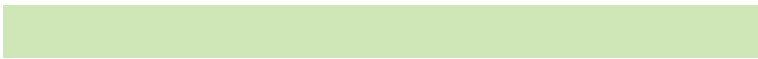
The Inverse Universe completely reimagines the original color for something new.



58.1152, 54.1104, 52.1832



69.3570, 62.4034, 57.8249



62.6566, 73.3198, 55.6511



14.3771, 14.3680, 14.9201



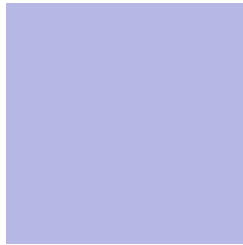
18.4751, 9.5242, 0.8647



1.3652, 0.7038, 0.0639

Previews

White Background



This preview shows how the XYZ color 50.7449, 49.6474, 81.7713 looks on a white background.

Color Contrast Check

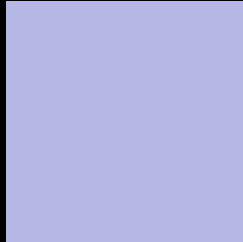
Large Text (above 18pt) WCAG AA × Fail

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 50.7449, 49.6474, 81.7713 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 50.7449, 49.6474, 81.7713

Background



This preview shows how black text looks on a background with the XYZ color 50.7449, 49.6474, 81.7713.



This preview shows how white text looks on a background with the XYZ color 50.7449, 49.6474,

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

50.7449, 49.6474, 81.7713

Protanopia

49.6773, 49.6976, 82.5756

Deuteranopia

50.7449, 49.6474, 81.7713



Tritanopia

47.1228, 49.7432, 63.6177

Trichromacy



Original Color

50.7449, 49.6474, 81.7713

Protanomaly

50.1547, 49.6342, 82.5382

Deuteranomaly

50.7449, 49.6474, 81.7713

Tritanomaly

48.3915, 49.6252, 69.9789

Monochromacy



Original Color

50.7449, 49.6474, 81.7713

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.5881, 49.8687, 63.5647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7449, 49.6474, 81.7713 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(183, 183, 230)` looks like.

```
.text, #text, p{  
    color:rgb(183, 183, 230)  
}
```

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(183, 183, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 183, 230) }
```

Border

The CSS property to change the border of an element to XYZ 50.7449, 49.6474, 81.7713 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(183, 183, 230) }
```


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

```
.border{ border-color:rgb(183, 183, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 183, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 183, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 183, 230);  
box-shadow:4px 4px 4px 4px rgb(183, 183,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7449, 49.6474, 81.7713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 183, 230) }
```

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

```
.background{ background-color: rgb(183,  
183, 230) }
```

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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