

Converting Colors

XYZ(50.8231, 50.7410, 77.4635)

Have a look what the booklet for
XYZ(50.8231, 50.7410, 77.4635)
contains.

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Color

**XYZ(50.7806, 50.6900,
77.6287)**

Conversions

Conversions Part 1

Format	Color
Hex	B8BAE0
RGB	184, 186, 224
RGB Percent	72%, 73%, 88%
CMY	0.2784, 0.2706, 0.1216
CMYK	0.18, 0.17, 0.00, 0.12
HSL	237°, 39%, 80%
HSV	237°, 18%, 88%
XYZ	50.7806, 50.6900, 77.6287
YIQ	189.7340, -13.3900, 11.3940

Conversions

Conversions Part 2

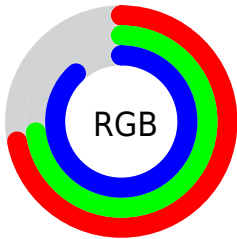
Format	Color
RYB	184, 186, 224
Decimal	12106464
CIELab	76.49, 7.05, -19.20
CIELCh	76, 20.456, 290.159
Yxy	50.6900, 0.2835, 0.2830
Android (android.graphics.Color)	4290296544 (0xFFB8BAE0)
YUV	189.7340, 16.8931, -5.0287
Hunter-Lab	71.1969, 2.7190, -14.8083

Details

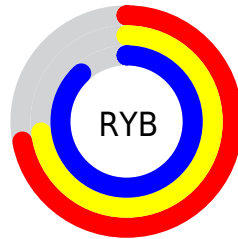
The XYZ color **50.7806, 50.6900, 77.6287** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.5138, 71.5503, 55.7062**, and the grayscale version is **48.7033, 51.2397, 55.8000**.

A 20% lighter version of the original color is **85.7373, 89.2495, 107.3158**, and **24.9090, 24.4649, 40.9455** is the 20% darker color. If you saturate the color by 10%, you get **41.6799, 39.8329, 76.0136**, and if you desaturate by 10%, it is **61.4016, 63.3243, 79.5084**.

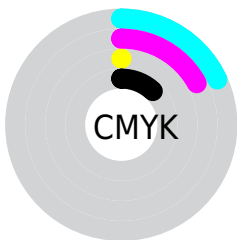
Distribution



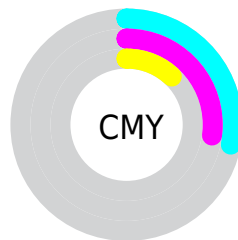
- Red (72%)
- Green (73%)
- Blue (88%)



- Red (72%)
- Yellow (73%)
- Blue (88%)



- Cyan (18%)
- Magenta (17%)
- Yellow (0%)
- Black (12%)



- Cyan (28%)
- Magenta (27%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7806, 50.6900, 77.6287 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 50.7806, 50.6900, 77.6287 by changing the saturation by 10% instead.

■ 50.7806, 50.6900,
77.6287

■ 50.7806, 50.6900,
77.6287

380.1125,
389.3582, 506.3994

■ 36.2544, 35.9620,
57.2544

■ 90.5153, 91.1964,
131.8077

■ 24.8017, 24.4048,
40.7988

116.4545,
117.7435, 166.4494

■ 16.0573, 15.6342,
27.8434

146.9287,
148.9991, 206.6840

■ 9.6558, 9.2657,
17.9696

182.3033,
185.3476, 252.9301

■ 5.2319, 4.9149,
10.7590

222.9436,
227.1733, 305.6061

■ 2.4201, 2.1974,
5.7929

269.2150,

■ 0.8551, 0.7186,

274.8608, 365.1307

2.6528

321.4828,
328.7942, 431.9222

0.0000, 0.0000,
0.9195

0.0000, 0.0000,
0.0000

50.7806, 50.6900,
77.6287

50.7806, 50.6900,
77.6287

41.6799, 39.8329,
76.0136

61.4016, 63.3243,
79.5084

34.0255, 30.6675,
74.6479

73.6031, 77.8040,
81.6602

27.7443, 23.1103,
73.5202

87.4476, 94.2012,
84.0955

22.7550, 17.0686,
72.6170

90.4547, 98.1619,
84.7015

■ 18.9675, 12.4400,
71.9233

■ 16.2803, 9.1095,
71.4220

■ 14.5752, 6.9440,
71.0939

■ 13.6967, 5.7767,
70.9149

■ 13.5768, 5.6261,
70.8922

Harmonies

Analogous

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



46.9228, 50.6900, 78.8763



50.7806, 50.6900, 77.6287



54.1010, 50.6900, 69.9492

Triad

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



50.7806, 50.6900, 77.6287



53.0886, 50.6900, 40.4380



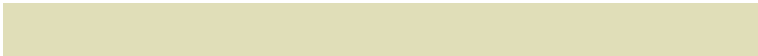
41.2354, 50.6900, 51.6415

Complementary

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



50.7806, 50.6900, 77.6287



65.5138, 71.5503, 55.7062

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.



42.7063, 50.6900, 42.6730



50.7806, 50.6900, 77.6287



49.4581, 50.6900, 36.7992

Square

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



50.7806, 50.6900, 77.6287



55.4820, 50.6900, 48.1919



45.6684, 50.6900, 37.5588



41.5473, 50.6900, 62.8408

Rectangle

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



50.7806, 50.6900, 77.6287



55.4975, 50.6900, 62.7203



45.6684, 50.6900, 37.5588



41.5346, 50.6900, 48.2930

Sweetspot

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



50.7822, 50.6921, 77.6298



86.7710, 90.1758, 107.4401



59.5194, 68.7408, 78.7718



18.3329, 19.0168, 22.9543



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.



50.7822, 50.6921, 77.6298



63.8824, 62.9477, 103.3909



54.7732, 52.1278, 77.6966



13.0068, 13.3527, 17.2795



7.9271, 3.3238, 41.2721



0.5692, 0.2698, 2.8673

Inverse Universe

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



56.7451, 53.6747, 53.8262



73.1464, 67.6093, 66.4034



60.9474, 69.9903, 55.6458



13.7349, 13.7116, 14.3742



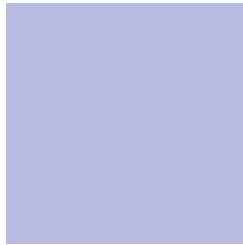
17.9414, 9.2436, 1.0915



1.2535, 0.6447, 0.1280

Previews

White Background



This preview shows how the XYZ color 50.7806, 50.6900, 77.6287 looks on a white background.

Color Contrast Check

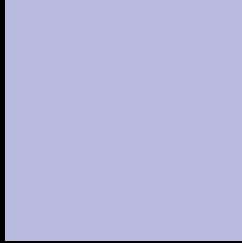
Large Text (above 18pt) WCAG AA × Fail

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 50.7806, 50.6900, 77.6287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

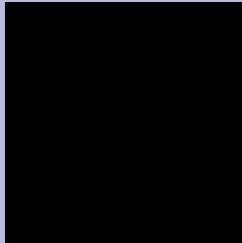
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.7806, 50.6900, 77.6287

Background



This preview shows how black text looks on a background with the XYZ color 50.7806, 50.6900, 77.6287.



This preview shows how white text looks on a background with the XYZ color 50.7806, 50.6900,

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

50.7806, 50.6900, 77.6287

Protanopia

50.4170, 50.8006, 78.3824

Deuteranopia

51.5813, 50.4816, 77.5463



Tritanopia

47.9191, 50.4581, 64.3405

Trichromacy



Original Color

50.7806, 50.6900, 77.6287

Protanomaly

50.6523, 50.9220, 78.3934

Deuteranomaly

51.2970, 50.6445, 77.5927

Tritanomaly

48.7971, 50.4933, 68.8023

Monochromacy



Original Color

50.7806, 50.6900, 77.6287

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.5973, 51.3508, 63.1748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7806, 50.6900, 77.6287 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(184, 186, 224)` looks like.

```
.text, #text, p{  
    color:rgb(184, 186, 224)  
}
```

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(184, 186, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 186, 224) }
```

Border

The CSS property to change the border of an element to XYZ 50.7806, 50.6900, 77.6287 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(184, 186, 224) }
```


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

```
.border{ border-color:rgb(184, 186, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 186, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 186, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 186, 224);  
box-shadow:4px 4px 4px 4px rgb(184, 186,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7806, 50.6900, 77.6287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 186, 224) }
```

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

```
.background{ background-color: rgb(184,  
186, 224) }
```

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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