

Converting Colors

XYZ(50.9065, 50.8170, 77.0268)

Have a look what the booklet for
XYZ(50.9065, 50.8170, 77.0268)
contains.

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Color

**XYZ(50.8858, 50.7598,
76.9277)**

Conversions

Conversions Part 1

Format	Color
Hex	B9BADF
RGB	185, 186, 223
RGB Percent	73%, 73%, 87%
CMY	0.2745, 0.2706, 0.1255
CMYK	0.17, 0.17, 0.00, 0.13
HSL	238°, 37%, 80%
HSV	238°, 17%, 87%
XYZ	50.8858, 50.7598, 76.9277
YIQ	189.9190, -12.4730, 11.2950

Conversions

Conversions Part 2

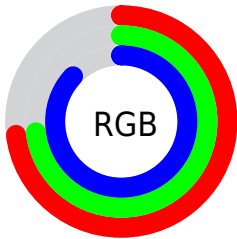
Format	Color
R_{YB}	185, 186, 223
Decimal	12171999
CIE Lab	76.53, 7.15, -18.59
CIE LCh	77, 19.916, 291.028
Yxy	50.7598, 0.2850, 0.2843
Android (android.graphics.Color)	4290362079 (0xFFB9BADF)
YUV	189.9190, 16.3089, -4.3140
Hunter-Lab	71.2459, 2.8093, -14.1462

Details

The XYZ color **50.8858, 50.7598, 76.9277** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.3101, 71.4333, 56.2461**, and the grayscale version is **48.8125, 51.3545, 55.9251**.

A 20% lighter version of the original color is **86.0778, 89.4250, 107.3317**, and **24.9711, 24.5077, 40.4601** is the 20% darker color. If you saturate the color by 10%, you get **41.6905, 39.7384, 75.2858**, and if you desaturate by 10%, it is **61.6230, 63.6103, 78.8430**.

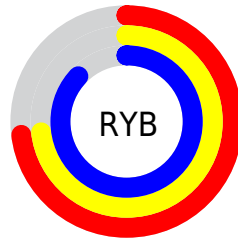
Distribution



Red (73%)

Green (73%)

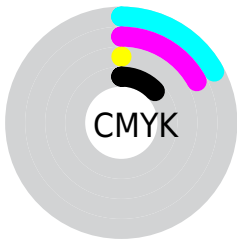
Blue (87%)



Red (73%)

Yellow (73%)

Blue (87%)

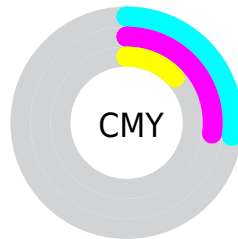


Cyan (17%)

Magenta (17%)

Yellow (0%)

Black (13%)



Cyan (27%)

Magenta (27%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8858, 50.7598, 76.9277 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 50.8858, 50.7598, 76.9277 by changing the saturation by 10% instead.

■ 50.8858, 50.7598,
76.9277

■ 50.8858, 50.7598,
76.9277

380.5149,
389.6298, 503.9486

■ 36.3384, 36.0175,
56.6823

■ 90.6699, 91.2996,
130.8095

■ 24.8670, 24.4477,
40.3426

116.6374,
117.8659, 165.2830

■ 16.1062, 15.6661,
27.4899

147.1422,
149.1423, 205.3363

■ 9.6906, 9.2882,
17.7058

182.5498,
185.5132, 251.3879

■ 5.2550, 4.9296,
10.5718

223.2256,
227.3630, 303.8564

■ 2.4339, 2.2060,
5.6691

269.5347,

■ 0.8621, 0.7233,

275.0761, 363.1604

2.5794

321.8427,
329.0369, 429.7182

■ 0.0000, 0.0000,
0.8818

■ 0.0000, 0.0000,
0.0000

■ 50.8858, 50.7598,
76.9277

■ 50.8858, 50.7598,
76.9277

■ 41.6905, 39.7384,
75.2858

■ 61.6230, 63.6103,
78.8430

■ 33.9620, 30.4571,
73.9017

■ 73.9632, 78.3612,
81.0398

■ 27.6258, 22.8290,
72.7633

■ 87.9703, 95.0875,
83.5301

■ 22.5990, 16.7569,
71.8562

■ 90.3194, 98.1078,
83.9892

■ 18.7902, 12.1338,
71.1646

■ 16.0960, 8.8391,
70.6706

■ 14.3959, 6.7326,
70.3536

■ 13.5373, 5.6408,
70.1882

■ 13.3832, 5.4554,
70.1605

Harmonies

Analogous

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



47.1273, 50.7598, 78.3390



50.8858, 50.7598, 76.9277



54.0856, 50.7598, 69.3358

Triad

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



50.8858, 50.7598, 76.9277



52.9355, 50.7598, 40.6878



41.4530, 50.7598, 52.1033

Complementary

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



50.8858, 50.7598, 76.9277



65.3101, 71.4333, 56.2461

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.



42.8420, 50.7598, 43.2460



50.8858, 50.7598, 76.9277



49.3816, 50.7598, 37.2408

Square

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



50.8858, 50.7598, 76.9277



55.3110, 50.7598, 48.1693



45.6985, 50.7598, 38.1124



41.8091, 50.7598, 63.0337

Rectangle

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



50.8858, 50.7598, 76.9277



55.4083, 50.7598, 62.2748



45.6985, 50.7598, 38.1124



41.7286, 50.7598, 48.8090

Sweetspot

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



50.8874, 50.7619, 76.9288



86.6807, 89.9952, 107.4100



59.5454, 68.3503, 78.9754



18.3111, 18.9731, 22.9470



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.



50.8874, 50.7619, 76.9288



64.8656, 63.8850, 103.5200



55.2254, 52.6861, 77.0716



12.9809, 13.3009, 17.2708



7.8819, 3.2333, 41.2570



0.5567, 0.2449, 2.8632

Inverse Universe

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



56.6446, 53.9324, 53.8811



73.8939, 68.8702, 67.3744



60.3962, 69.2962, 56.0926



13.7218, 13.7064, 14.3053



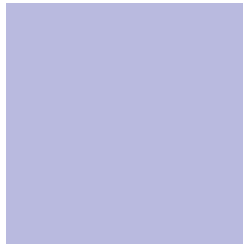
17.9186, 9.2344, 0.9712



1.2473, 0.6422, 0.0949

Previews

White Background



This preview shows how the XYZ color 50.8858, 50.7598, 76.9277 looks on a white background.

Color Contrast Check

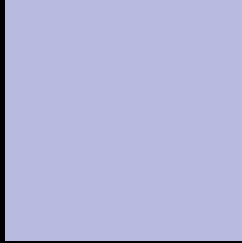
Large Text (above 18pt) WCAG AA × Fail

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 50.8858, 50.7598, 76.9277 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 50.8858, 50.7598, 76.9277

Background



This preview shows how black text looks on a background with the XYZ color 50.8858, 50.7598, 76.9277.



This preview shows how white text looks on a background with the XYZ color 50.8858, 50.7598,

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

50.8858, 50.7598, 76.9277

Protanopia

50.2809, 50.7462, 77.6659

Deuteranopia

51.6950, 50.5558, 76.8457



Tritanopia

48.3881, 50.6999, 64.3625

Trichromacy



Original Color

50.8858, 50.7598, 76.9277

Protanomaly

50.5163, 50.8675, 77.6769

Deuteranomaly

51.4073, 50.7170, 76.8919

Tritanomaly

49.2695, 50.7369, 68.8244

Monochromacy



Original Color

50.8858, 50.7598, 76.9277

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 50.8858, 50.7598, 76.9277 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, 186, 223)` looks like.

```
.text, #text, p{  
    color:rgb(185, 186, 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(185, 186, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 186, 223) }
```

Border

The CSS property to change the border of an element to XYZ 50.8858, 50.7598, 76.9277 is called "border". The border property can be set on classes, ids or directly on the HTML element.

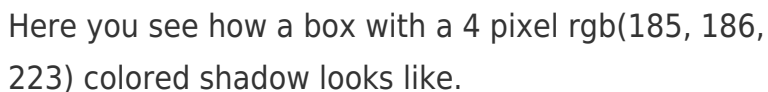
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 186, 223) }
```


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

```
.border{ border-color:rgb(185, 186, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 186, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 186, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 186, 223); box-shadow:4px 4px 4px 4px rgb(185, 186, 223) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8858, 50.7598, 76.9277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 186, 223) }
```

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

```
.background{ background-color: rgb(185,  
186, 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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