

Converting Colors

XYZ(52.2111, 51.7413, 77.7563)

Have a look what the booklet for
XYZ(52.2111, 51.7413, 77.7563)
contains.

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Color

**XYZ(52.2111, 51.7413,
77.7563)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBBE0
RGB	189, 187, 224
RGB Percent	74%, 73%, 88%
CMY	0.2588, 0.2666, 0.1216
CMYK	0.16, 0.17, 0.00, 0.12
HSL	243°, 37%, 81%
HSV	243°, 17%, 88%
XYZ	52.2111, 51.7413, 77.7563
YIQ	191.8160, -10.6850, 11.9310

Conversions

Conversions Part 2

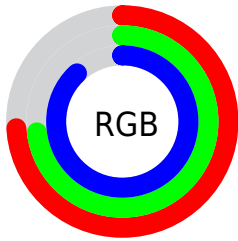
Format	Color
R _Y B	189, 187, 224
Decimal	12434400
CIE Lab	77.13, 8.09, -18.21
CIE LCh	77, 19.921, 293.950
Yxy	51.7413, 0.2873, 0.2847
Android (android.graphics.Color)	4290624480 (0xFFBDBBE0)
YUV	191.8160, 15.8667, -2.4696
Hunter-Lab	71.9314, 3.6834, -13.7392

Details

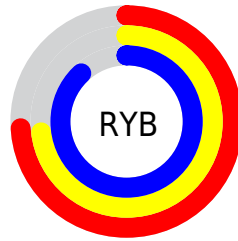
The XYZ color **52.2111, 51.7413, 77.7563** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.7514, 72.4302, 57.5311**, and the grayscale version is **49.9118, 52.5111, 57.1846**.

A 20% lighter version of the original color is **88.1066, 90.9140, 107.5122**, and **25.6782, 25.0657, 41.0209** is the 20% darker color. If you saturate the color by 10%, you get **42.9468, 40.4537, 76.0667**, and if you desaturate by 10%, it is **62.9878, 64.9115, 79.7312**.

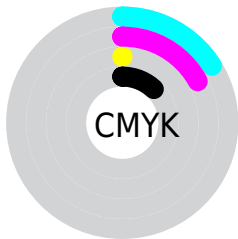
Distribution



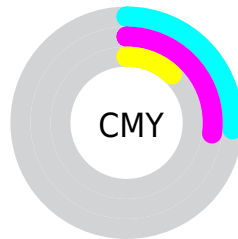
- Red (74%)
- Green (73%)
- Blue (88%)



- Red (74%)
- Yellow (73%)
- Blue (88%)



- Cyan (16%)
- Magenta (17%)
- Yellow (0%)
- Black (12%)



- Cyan (26%)
- Magenta (27%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2111, 51.7413, 77.7563 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 52.2111, 51.7413, 77.7563 by changing the saturation by 10% instead.

■ 52.2111, 51.7413,
77.7563

■ 52.2111, 51.7413,
77.7563

385.5616,
393.4371, 506.8448

■ 37.3983, 36.7989,
57.3585

■ 92.6149, 92.7496,
131.9893

■ 25.6911, 25.0518,
40.8819

118.9366,
119.5843, 166.6616

■ 16.7242, 16.1157,
27.9078

149.8253,
151.1519, 206.9291

■ 10.1321, 9.6060,
18.0177

185.6464,
187.8368, 253.2105

■ 5.5496, 5.1385,
10.7932

226.7652,
230.0233, 305.9242

■ 2.6112, 2.3288,
5.8155

273.5471,

■ 0.9517, 0.7889,

278.0960, 365.4888

2.6663

326.3575,
332.4391, 432.3228

■ 0.0000, 0.0000,
0.9264

■ 0.0000, 0.0000,
0.0000

■ 52.2111, 51.7413,
77.7563

■ 52.2111, 51.7413,
77.7563

■ 42.9468, 40.4537,
76.0667

■ 62.9878, 64.9115,
79.7312

■ 35.1228, 30.9567,
74.6459

■ 75.3352, 80.0379,
82.0002

■ 28.6680, 23.1601,
73.4813

■ 89.3146, 97.1983,
84.5756

■ 23.5035, 16.9635,
72.5574

■ 90.4547, 98.1619,
84.7015

■ 19.5426, 12.2558,
71.8575

■ 16.6875, 8.9116,
71.3625

■ 14.8254, 6.7854,
71.0502

■ 13.8174, 5.6946,
70.8928

■ 13.6077, 5.4607,
70.8587

Harmonies

Analogous

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



48.4109, 51.7413, 79.8685



52.2111, 51.7413, 77.7563



55.3390, 51.7413, 69.6005

Triad

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



52.2111, 51.7413, 77.7563



53.6144, 51.7413, 41.0275



42.2509, 51.7413, 54.1563

Complementary

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



52.2111, 51.7413, 77.7563



65.7514, 72.4302, 57.5311

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.



43.4931, 51.7413, 44.8764



52.2111, 51.7413, 77.7563



49.9543, 51.7413, 37.9519

Square

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



52.2111, 51.7413, 77.7563



56.1781, 51.7413, 48.2467



46.2658, 51.7413, 39.2645



42.7860, 51.7413, 65.2857

Rectangle

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



52.2111, 51.7413, 77.7563



56.5560, 51.7413, 62.3360



46.2658, 51.7413, 39.2645



42.4723, 51.7413, 50.7367

Sweetspot

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



52.2127, 51.7434, 77.7575



86.8175, 89.9169, 107.3877



60.1108, 68.2702, 80.5312



18.3442, 18.9542, 22.9416



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.



52.2127, 51.7434, 77.7575



65.3062, 63.6357, 103.4486



57.0567, 54.2406, 77.9842



13.0202, 13.2784, 17.2644



7.9504, 3.1939, 41.2458



0.5756, 0.2340, 2.8601

Inverse Universe

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



61.6974, 56.6641, 76.7953



80.4426, 71.4896, 101.8594



60.4329, 69.6884, 57.2822



14.2614, 13.9222, 17.1466



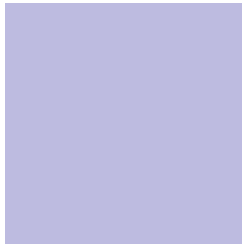
24.8175, 11.9940, 37.3003



1.7301, 0.8353, 2.6377

Previews

White Background



This preview shows how the XYZ color 52.2111, 51.7413, 77.7563 looks on a white background.

Color Contrast Check

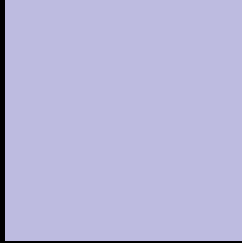
Large Text (above 18pt) WCAG AA × Fail

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 52.2111, 51.7413, 77.7563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

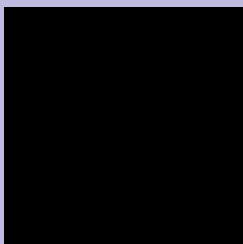
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.2111, 51.7413, 77.7563

Background



This preview shows how black text looks on a background with the XYZ color 52.2111, 51.7413, 77.7563.



This preview shows how white text looks on a background with the XYZ color 52.2111, 51.7413,

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

52.2111, 51.7413, 77.7563

Protanopia

51.3166, 51.8987, 78.5469

Deuteranopia

52.7517, 51.7061, 77.7210



Tritanopia

49.6826, 51.6738, 65.1131

Trichromacy



Original Color

52.2111, 51.7413, 77.7563

Protanomaly

51.5814, 51.7170, 78.4979

Deuteranomaly

52.4993, 51.5760, 77.7092

Tritanomaly

50.5748, 51.7135, 69.6035

Monochromacy



Original Color

52.2111, 51.7413, 77.7563

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

50.7984, 52.2629, 64.5371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2111, 51.7413, 77.7563 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(189, 187, 224)` looks like.

```
.text, #text, p{  
    color:rgb(189, 187, 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(189, 187, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 187, 224) }
```

Border

The CSS property to change the border of an element to XYZ 52.2111, 51.7413, 77.7563 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(189, 187, 224) }
```


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

```
.border{ border-color:rgb(189, 187, 224) }
```

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

Here you see how a box with a 4 pixel rgb(189, 187, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 187, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 187, 224);  
box-shadow:4px 4px 4px 4px rgb(189, 187,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2111, 51.7413, 77.7563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 187, 224) }
```

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

```
.background{ background-color: rgb(189,  
187, 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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