

Converting Colors

XYZ(50.8408, 51.7922, 72.2723)

Have a look what the booklet for
XYZ(50.8408, 51.7922, 72.2723)
contains.

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Color

**XYZ(50.8420, 51.7922,
72.2830)**

Conversions

Conversions Part 1

Format	Color
Hex	BABDD8
RGB	186, 189, 216
RGB Percent	73%, 74%, 85%
CMY	0.2706, 0.2588, 0.1529
CMYK	0.14, 0.12, 0.00, 0.15
HSL	234°, 28%, 79%
HSV	234°, 14%, 85%
XYZ	50.8420, 51.7922, 72.2830
YIQ	191.1810, -10.4550, 7.7610

Conversions

Conversions Part 2

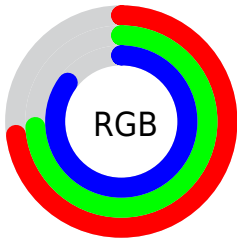
Format	Color
R _Y B	186, 189, 216
Decimal	12238296
CIE Lab	77.16, 4.34, -13.86
CIE LCh	77, 14.521, 287.407
Yxy	51.7922, 0.2907, 0.2961
Android (android.graphics.Color)	4290428376 (0xFFBABDD8)
YUV	191.1810, 12.2358, -4.5437
Hunter-Lab	71.9668, 0.1620, -9.1737

Details

The XYZ color **50.8420, 51.7922, 72.2830** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **60.9764, 65.7324, 55.9293**, and the grayscale version is **49.5631, 52.1443, 56.7851**.

A 20% lighter version of the original color is **87.3204, 91.4021, 107.6478**, and **24.9100, 25.1681, 37.2632** is the 20% darker color. If you saturate the color by 10%, you get **42.0812, 41.4802, 70.7552**, and if you desaturate by 10%, it is **60.9595, 63.6382, 74.0371**.

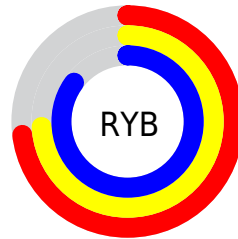
Distribution



Red (73%)

Green (74%)

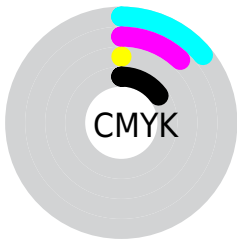
Blue (85%)



Red (73%)

Yellow (74%)

Blue (85%)

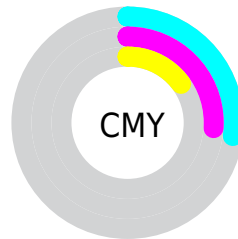


Cyan (14%)

Magenta (12%)

Yellow (0%)

Black (15%)



Cyan (27%)

Magenta (26%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8420, 51.7922, 72.2830 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 50.8420, 51.7922, 72.2830 by changing the saturation by 10% instead.

■ 50.8420, 51.7922,
72.2830

■ 50.8420, 51.7922,
72.2830

380.3474,
393.6339, 487.5300

■ 36.3034, 36.8395,
52.9016

■ 90.6056, 92.8247,
124.1703

■ 24.8398, 25.0832,
37.3371

116.5612,
119.6733, 157.5132

■ 16.0858, 16.1391,
25.1707

147.0533,
151.2559, 196.3472

■ 9.6762, 9.6226,
15.9841

182.4472,
187.9570, 241.0906

■ 5.2454, 5.1495,
9.3587

223.1082,
230.1609, 292.1620

■ 2.4282, 2.3352,
4.8759

269.4016,

■ 0.8592, 0.7923,

278.2521, 349.9801

2.1172

321.6929,
332.6150, 414.9632

■ 0.0000, 0.0000,
0.6260

■ 0.0000, 0.0000,
0.0000

■ 50.8420, 51.7922,
72.2830

■ 50.8420, 51.7922,
72.2830

■ 42.0812, 41.4802,
70.7552

■ 60.9595, 63.6382,
74.0371

■ 34.6149, 32.6333,
69.4410

■ 72.4833, 77.0707,
76.0224

■ 28.3829, 25.1867,
68.3322

■ 85.4660, 92.1477,
78.2483

■ 23.3182, 19.0682,
67.4181

■ 89.3948, 97.7379,
79.1203

■ 19.3477, 14.1995,
66.6876

■ 16.3898, 10.4935,
66.1282

■ 14.3514, 7.8521,
65.7258

■ 13.1215, 6.1605,
65.4641

■ 12.6745, 5.5172,
65.3635

Harmonies

Analogous

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



48.0717, 51.7922, 72.6761



50.8420, 51.7922, 72.2830



53.2642, 51.7922, 67.3908

Triad

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



50.8420, 51.7922, 72.2830



52.9306, 51.7922, 45.8656



44.1965, 51.7922, 53.1235

Complementary

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



50.8420, 51.7922, 72.2830



60.9764, 65.7324, 55.9293

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.



45.3990, 51.7922, 46.6618



50.8420, 51.7922, 72.2830



50.4005, 51.7922, 42.7439

Square

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



50.8420, 51.7922, 72.2830



54.5009, 51.7922, 51.9398



47.6464, 51.7922, 43.0210



44.3047, 51.7922, 61.0935

Rectangle

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



50.8420, 51.7922, 72.2830



54.3242, 51.7922, 62.4755



47.6464, 51.7922, 43.0210



44.4589, 51.7922, 50.7185

Sweetspot

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



50.8436, 51.7944, 72.2842



88.5377, 92.3991, 107.7761



56.7534, 64.3305, 72.0453



18.6966, 19.4803, 23.0246



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.



50.8436, 51.7944, 72.2842



69.6535, 70.2709, 104.5002



53.1118, 52.0148, 72.2072



11.8416, 12.2066, 15.6695



7.5384, 3.3385, 38.7002



0.4896, 0.2712, 2.3458

Inverse Universe

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



55.0644, 53.3921, 55.5501



77.0892, 73.1294, 75.0102



58.4589, 65.5660, 56.0299



12.4733, 12.4408, 13.1664



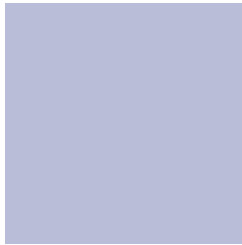
16.8639, 8.6819, 1.3213



1.0348, 0.5307, 0.1725

Previews

White Background



This preview shows how the XYZ color 50.8420, 51.7922, 72.2830 looks on a white background.

Color Contrast Check

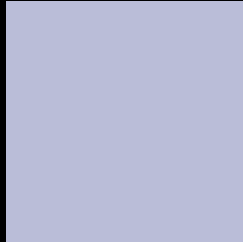
Large Text (above 18pt) WCAG AA × Fail

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 50.8420, 51.7922, 72.2830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

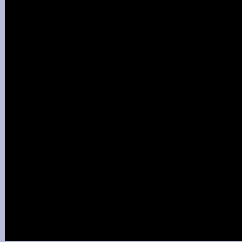
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.8420, 51.7922, 72.2830

Background



This preview shows how black text looks on a background with the XYZ color 50.8420, 51.7922, 72.2830.



This preview shows how white text looks on a background with the XYZ color 50.8420, 51.7922,

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

50.8420, 51.7922, 72.2830

Protanopia

50.8420, 51.7922, 72.2830

Deuteranopia

52.8482, 51.8633, 72.8709



Tritanopia

49.5385, 51.9082, 65.8008

Trichromacy



Original Color

50.8420, 51.7922, 72.2830

Protanomaly

50.8420, 51.7922, 72.2830

Deuteranomaly

52.0329, 51.7569, 72.8933

Tritanomaly

50.0539, 51.7943, 68.3320

Monochromacy



Original Color

50.8420, 51.7922, 72.2830

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.8250, 51.8159, 62.0190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8420, 51.7922, 72.2830 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(186, 189, 216)` looks like.

```
.text, #text, p{  
    color:rgb(186, 189, 216)  
}
```

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(186, 189, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 189, 216) }
```

Border

The CSS property to change the border of an element to XYZ 50.8420, 51.7922, 72.2830 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(186, 189, 216) }
```


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

```
.border{ border-color:rgb(186, 189, 216) }
```

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

Here you see how a box with a 4 pixel rgb(186, 189, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 189, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 189, 216);  
box-shadow:4px 4px 4px 4px rgb(186, 189,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8420, 51.7922, 72.2830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 189, 216) }
```

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

```
.background{ background-color: rgb(186,  
189, 216) }
```

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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