

Converting Colors

XYZ(51.1917, 52.3390, 70.4896)

Have a look what the booklet for
XYZ(51.1917, 52.3390, 70.4896)
contains.

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Color

**XYZ(51.1627, 52.3224,
70.3535)**

Conversions

Conversions Part 1

Format	Color
Hex	BCBED5
RGB	188, 190, 213
RGB Percent	74%, 75%, 84%
CMY	0.2627, 0.2549, 0.1647
CMYK	0.12, 0.11, 0.00, 0.16
HSL	235°, 23%, 79%
HSV	235°, 12%, 84%
XYZ	51.1627, 52.3224, 70.3535
YIQ	192.0240, -8.5750, 6.7290

Conversions

Conversions Part 2

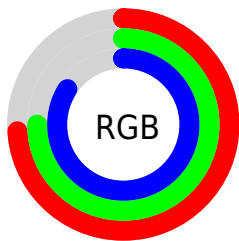
Format	Color
RYB	188, 190, 213
Decimal	12369621
CIELab	77.47, 3.83, -11.74
CIELCh	77, 12.352, 288.064
Yxy	52.3224, 0.2943, 0.3010
Android (android.graphics.Color)	4290559701 (0xFFBCBED5)
YUV	192.0240, 10.3412, -3.5290
Hunter-Lab	72.3342, -0.3301, -7.0325

Details

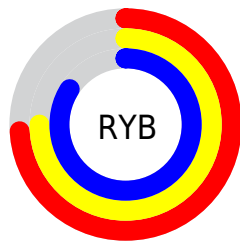
The XYZ color **51.1627, 52.3224, 70.3535** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.8121, 64.3650, 56.8491**, and the grayscale version is **50.0634, 52.6705, 57.3582**.

A 20% lighter version of the original color is **88.3140, 92.3646, 107.7813**, and **25.1089, 25.5108, 35.9485** is the 20% darker color. If you saturate the color by 10%, you get **42.3356, 41.8909, 68.8061**, and if you desaturate by 10%, it is **61.3379, 64.2985, 72.1297**.

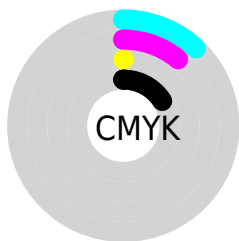
Distribution



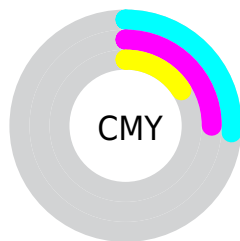
- Red (74%)
- Green (75%)
- Blue (84%)



- Red (74%)
- Yellow (75%)
- Blue (84%)



- Cyan (12%)
- Magenta (11%)
- Yellow (0%)
- Black (16%)



- Cyan (26%)
- Magenta (25%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1627, 52.3224, 70.3535 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 51.1627, 52.3224, 70.3535 by changing the saturation by 10% instead.

■ 51.1627, 52.3224,
70.3535

■ 51.1627, 52.3224,
70.3535

381.5728,
395.6800, 480.6129

■ 36.5597, 37.2621,
51.3362

■ 91.0768, 93.6065,
121.3986

■ 25.0389, 25.4105,
36.0976

117.1186,
120.5992, 154.2634

■ 16.2349, 16.3832,
24.2193

147.7040,
152.3381, 192.5812

■ 9.7824, 9.7957,
15.2827

183.1983,
189.2076, 236.7704

■ 5.3161, 5.2637,
8.8692

223.9671,
231.5922, 287.2497

■ 2.4705, 2.4028,
4.5603

270.3755,

■ 0.8804, 0.8273,

279.8762, 344.4375

1.9375

322.7890,
334.4440, 408.7523

■ 0.0000, 0.0000,
0.5164

■ 0.0000, 0.0000,
0.0000

■ 51.1627, 52.3224,
70.3535

■ 51.1627, 52.3224,
70.3535

■ 42.3356, 41.8909,
68.8061

■ 61.3379, 64.2985,
72.1297

■ 34.7955, 32.9349,
67.4748

■ 72.9094, 77.8717,
74.1397

■ 28.4836, 25.3895,
66.3511

■ 85.9292, 93.1001,
76.3928

■ 23.3346, 19.1828,
65.4244

■ 89.0104, 97.5842,
77.0959

■ 19.2771, 14.2363,
64.6835

■ 16.2321, 10.4633,
64.1157

■ 14.1096, 7.7660,
63.7070

■ 12.8034, 6.0309,
63.4409

■ 12.2119, 5.2071,
63.3131

Harmonies

Analogous

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



48.7909, 52.3224, 70.7715



51.1627, 52.3224, 70.3535



53.2116, 52.3224, 66.1806

Triad

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



51.1627, 52.3224, 70.3535



52.8507, 52.3224, 47.7706



45.3887, 52.3224, 54.3037

Complementary

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



51.1627, 52.3224, 70.3535



59.8121, 64.3650, 56.8491

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.



46.4053, 52.3224, 48.6566



51.1627, 52.3224, 70.3535



50.6828, 52.3224, 45.0910

Square

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



51.1627, 52.3224, 70.3535



54.2074, 52.3224, 53.0041



48.3260, 52.3224, 45.4018



45.5079, 52.3224, 61.1294

Rectangle

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



51.1627, 52.3224, 70.3535



54.0955, 52.3224, 62.0052



48.3260, 52.3224, 45.4018



45.6076, 52.3224, 52.2154

Sweetspot

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



51.1643, 52.3246, 70.3547



88.4759, 92.2754, 107.7555



56.2816, 62.9798, 70.7641



18.6810, 19.4491, 23.0194



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.



51.1643, 52.3246, 70.3547



73.5176, 74.6543, 105.1427



53.3930, 52.8340, 70.3355



11.8218, 12.1670, 15.6629



7.4893, 3.2403, 38.6839



0.4802, 0.2524, 2.3427

Inverse Universe

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



54.7193, 53.8313, 56.2242



79.8562, 77.3622, 79.9434



57.3875, 63.8583, 56.8791



12.4632, 12.4368, 13.1137



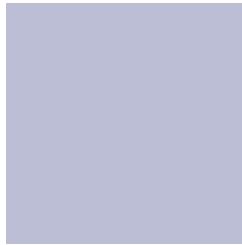
16.8391, 8.6720, 1.1908



1.0300, 0.5288, 0.1475

Previews

White Background



This preview shows how the XYZ color 51.1627, 52.3224, 70.3535 looks on a white background.

Color Contrast Check

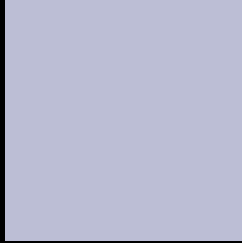
Large Text (above 18pt) WCAG AA × Fail

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 51.1627, 52.3224, 70.3535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

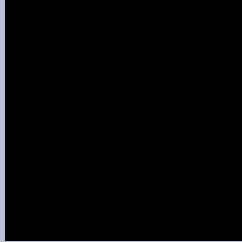
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1627, 52.3224, 70.3535

Background



This preview shows how black text looks on a background with the XYZ color 51.1627, 52.3224, 70.3535.



This preview shows how white text looks on a background with the XYZ color 51.1627, 52.3224,

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

51.1627, 52.3224, 70.3535

Protanopia

51.1627, 52.3224, 70.3535

Deuteranopia

53.2497, 52.1150, 70.8710



Tritanopia

50.2649, 52.2826, 65.8348

Trichromacy



Original Color

51.1627, 52.3224, 70.3535

Protanomaly

51.1627, 52.3224, 70.3535

Deuteranomaly

52.4136, 51.9978, 70.8924

Tritanomaly

50.6329, 52.4298, 67.7729

Monochromacy



Original Color

51.1627, 52.3224, 70.3535

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

50.5420, 52.5081, 62.1148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1627, 52.3224, 70.3535 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(188, 190, 213)` looks like.

```
.text, #text, p{  
    color:rgb(188, 190, 213)  
}
```

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(188, 190, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 190, 213) }
```

Border

The CSS property to change the border of an element to XYZ 51.1627, 52.3224, 70.3535 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(188, 190, 213) }
```


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

```
.border{ border-color:rgb(188, 190, 213) }
```

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

Here you see how a box with a 4 pixel rgb(188, 190, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 190, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 190, 213);  
box-shadow:4px 4px 4px 4px rgb(188, 190,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1627, 52.3224, 70.3535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 190, 213) }
```

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

```
.background{ background-color: rgb(188,  
190, 213) }
```

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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