

Converting Colors

XYZ(51.3427, 52.3029, 71.9951)

Have a look what the booklet for
XYZ(51.3427, 52.3029, 71.9951)
contains.

XYZ(51.4182, 52.4246, 71.6989)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.4182, 52.4246,
71.6989)**

Conversions

Conversions Part 1

Format	Color
Hex	BCBED7
RGB	188, 190, 215
RGB Percent	74%, 75%, 84%
CMY	0.2627, 0.2549, 0.1569
CMYK	0.13, 0.12, 0.00, 0.16
HSL	236°, 25%, 79%
HSV	236°, 13%, 84%
XYZ	51.4182, 52.4246, 71.6989
YIQ	192.2520, -9.2170, 7.3510

Conversions

Conversions Part 2

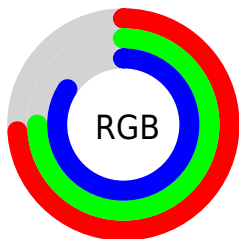
Format	Color
R _Y B	188, 190, 215
Decimal	12369623
CIE Lab	77.53, 4.24, -12.73
CIE LCh	78, 13.422, 288.433
Yxy	52.4246, 0.2929, 0.2986
Android (android.graphics.Color)	4290559703 (0xFFBCBED7)
YUV	192.2520, 11.2148, -3.7290
Hunter-Lab	72.4048, 0.0531, -8.0285

Details

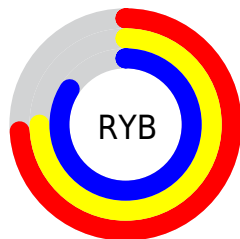
The XYZ color **51.4182, 52.4246, 71.6989** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.8958, 65.6659, 57.0431**, and the grayscale version is **50.1918, 52.8057, 57.5054**.

A 20% lighter version of the original color is **88.3140, 92.3646, 107.7813**, and **25.2825, 25.5803, 36.8627** is the 20% darker color. If you saturate the color by 10%, you get **42.4905, 41.8543, 70.1300**, and if you desaturate by 10%, it is **61.7269, 64.5836, 73.5033**.

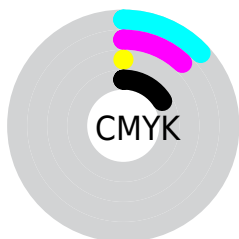
Distribution



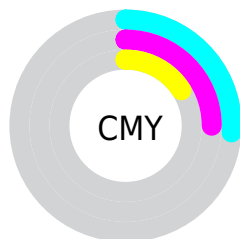
- Red (74%)
- Green (75%)
- Blue (84%)



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



- Cyan (13%)
- Magenta (12%)
- Yellow (0%)
- Black (16%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4182, 52.4246, 71.6989 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 51.4182, 52.4246, 71.6989 by changing the saturation by 10% instead.

■ 51.4182, 52.4246,
71.6989

■ 51.4182, 52.4246,
71.6989

382.5473,
396.0736, 485.4422

■ 36.7639, 37.3436,
52.4274

■ 91.4520, 93.7571,
123.3321

■ 25.1976, 25.4737,
36.9613

117.5622,
120.7775, 156.5309

■ 16.3539, 16.4303,
24.8820

148.2217,
152.5464, 195.2092

■ 9.8673, 9.8292,
15.7709

183.7960,
189.4483, 239.7855

■ 5.3727, 5.2858,
9.2096

224.6503,
231.8676, 290.6784

■ 2.5045, 2.4159,
4.7795

271.1501,

■ 0.8975, 0.8341,

280.1886, 348.3065

2.0620

323.6607,
334.7959, 413.0883

■ 0.0000, 0.0000,
0.5930

■ 0.0000, 0.0000,
0.0000

■ 51.4182, 52.4246,
71.6989

■ 51.4182, 52.4246,
71.6989

■ 42.4905, 41.8543,
70.1300

■ 61.7269, 64.5836,
73.5033

■ 34.8805, 32.8009,
68.7836

■ 73.4669, 78.3863,
75.5488

■ 28.5273, 25.1965,
67.6507

■ 86.6916, 93.8932,
77.8449

■ 23.3629, 18.9660,
66.7202

■ 89.2659, 97.6864,
78.4413

■ 19.3133, 14.0270,
65.9804

■ 16.2958, 10.2885,
65.4178

■ 14.2163, 7.6477,
65.0177

■ 12.9634, 5.9841,
64.7626

■ 12.4504, 5.2754,
64.6528

Harmonies

Analogous

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



48.8367, 52.4246, 72.2144



51.4182, 52.4246, 71.6989



53.6450, 52.4246, 67.0701

Triad

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



51.4182, 52.4246, 71.6989



53.2035, 52.4246, 47.0681



45.1097, 52.4246, 54.2709

Complementary

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



51.4182, 52.4246, 71.6989



60.8958, 65.6659, 57.0431

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.



46.1966, 52.4246, 48.1373



51.4182, 52.4246, 71.6989



50.8326, 52.4246, 44.2257

Square

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



51.4182, 52.4246, 71.6989



54.7001, 52.4246, 52.6925



48.2709, 52.4246, 44.5994



45.2542, 52.4246, 61.7077

Rectangle

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



51.4182, 52.4246, 71.6989



54.6010, 52.4246, 62.4827



48.2709, 52.4246, 44.5994



45.3416, 52.4246, 52.0008

Sweetspot

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



51.4198, 52.4268, 71.7001



88.4575, 92.2386, 107.7494



57.0189, 64.0845, 72.1497



18.6764, 19.4399, 23.0179



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.



51.4198, 52.4268, 71.7001



72.0760, 72.9035, 104.8807



53.8695, 53.0501, 71.6913



11.8159, 12.1552, 15.6609



7.4762, 3.2141, 38.6795



0.4774, 0.2468, 2.3418

Inverse Universe

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



55.3030, 54.1323, 56.2516



78.8521, 75.9024, 77.9186



58.2118, 65.0347, 57.0628



12.4603, 12.4356, 13.0980



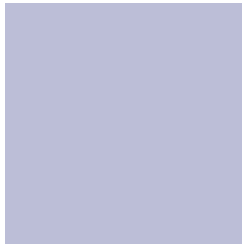
16.8325, 8.6693, 1.1560



1.0286, 0.5282, 0.1401

Previews

White Background



This preview shows how the XYZ color 51.4182, 52.4246, 71.6989 looks on a white background.

Color Contrast Check

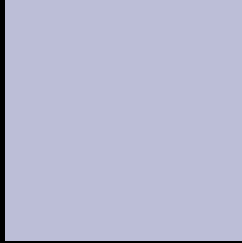
Large Text (above 18pt) WCAG AA × Fail

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 51.4182, 52.4246, 71.6989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

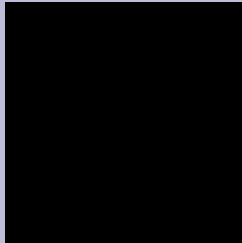
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.4182, 52.4246, 71.6989

Background



This preview shows how black text looks on a background with the XYZ color 51.4182, 52.4246, 71.6989.



This preview shows how white text looks on a background with the XYZ color 51.4182, 52.4246,

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

51.4182, 52.4246, 71.6989

Protanopia

51.4182, 52.4246, 71.6989

Deuteranopia

53.5068, 52.2178, 72.2247



Tritanopia

50.3868, 52.3314, 66.4768

Trichromacy



Original Color

51.4182, 52.4246, 71.6989

Protanomaly

51.4182, 52.4246, 71.6989

Deuteranomaly

52.6707, 52.1006, 72.2461

Tritanomaly

50.7572, 52.4795, 68.4271

Monochromacy



Original Color

51.4182, 52.4246, 71.6989

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 51.4182, 52.4246, 71.6989 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(188, 190, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 190, 215) }
```

Border

The CSS property to change the border of an element to XYZ 51.4182, 52.4246, 71.6989 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, 215) }
```


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

```
.border{ border-color:rgb(188, 190, 215) }
```

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, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 190, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 190, 215);  
box-shadow:4px 4px 4px 4px rgb(188, 190,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4182, 52.4246, 71.6989 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, 215) }
```

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

```
.background{ background-color: rgb(188,  
190, 215) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor