

Converting Colors

XYZ(51.1485, 53.1787, 73.1890)

Have a look what the booklet for
XYZ(51.1485, 53.1787, 73.1890)
contains.

XYZ(51.1228, 53.2170, 73.2231)	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(51.1228, 53.2170,
73.2231)**

Conversions

Conversions Part 1

Format	Color
Hex	B7C1D9
RGB	183, 193, 217
RGB Percent	72%, 76%, 85%
CMY	0.2823, 0.2431, 0.1490
CMYK	0.16, 0.11, 0.00, 0.15
HSL	222°, 31%, 78%
HSV	222°, 16%, 85%
XYZ	51.1228, 53.2170, 73.2231
YIQ	192.7460, -13.6640, 5.3440

Conversions

Conversions Part 2

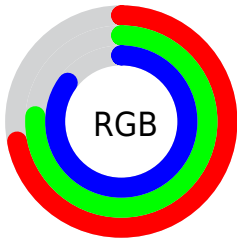
Format	Color
R_{YB}	183, 191, 217
Decimal	12042713
CIE _{Lab}	78.00, 1.44, -13.15
CIE _{LCh}	78, 13.228, 276.254
Yxy	53.2170, 0.2879, 0.2997
Android (android.graphics.Color)	4290232793 (0xFFB7C1D9)
YUV	192.7460, 11.9572, -8.5472
Hunter-Lab	72.9500, -2.5710, -8.4470

Details

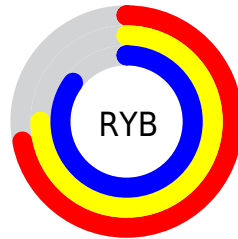
The XYZ color **51.1228, 53.2170, 73.2231** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.4757, 62.7960, 53.7870**, and the grayscale version is **50.4786, 53.1074, 57.8340**.

A 20% lighter version of the original color is **87.5223, 93.3221, 108.0078**, and **25.1056, 26.1106, 37.8991** is the 20% darker color. If you saturate the color by 10%, you get **43.1418, 44.3351, 71.9302**, and if you desaturate by 10%, it is **60.2534, 63.2148, 74.6725**.

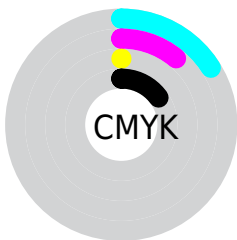
Distribution



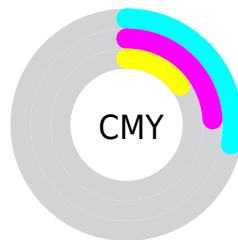
- Red (72%)
- Green (76%)
- Blue (85%)



- Red (72%)
- Yellow (75%)
- Blue (85%)



- Cyan (16%)
- Magenta (11%)
- Yellow (0%)
- Black (15%)



- Cyan (28%)
- Magenta (24%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1228, 53.2170, 73.2231 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 51.1228, 53.2170, 73.2231 by changing the saturation by 10% instead.

■ 51.1228, 53.2170,
73.2231

■ 51.1228, 53.2170,
73.2231

381.4205,
399.1171, 490.8792

■ 36.5278, 37.9760,
53.6655

■ 91.0182, 94.9236,
125.5177

■ 25.0141, 25.9641,
37.9429

117.0493,
122.1580, 159.0918

■ 16.2163, 16.7968,
25.6369

147.6231,
154.1591, 198.1751

■ 9.7692, 10.0897,
16.3289

183.1050,
191.3111, 243.1862

■ 5.3073, 5.4585,
9.6003

223.8603,
233.9985, 294.5436

■ 2.4653, 2.5187,
5.0326

270.2544,

■ 0.8778, 0.8860,

282.6057, 352.6659

2.2074

322.6527,
337.5171, 417.9716

■ 0.0000, 0.0000,
0.6786

■ 0.0000, 0.0000,
0.0000

■ 51.1228, 53.2170,
73.2231

■ 51.1228, 53.2170,
73.2231

■ 43.1418, 44.3351,
71.9302

■ 60.2534, 63.2148,
74.6725

■ 36.2588, 36.5227,
70.7850

■ 70.5730, 74.3599,
76.2798

■ 30.4248, 29.7393,
69.7832

■ 82.1249, 86.6903,
78.0510

■ 25.5857, 23.9396,
68.9188

■ 89.2917, 97.3242,
79.7258

■ 21.6817, 19.0743,
68.1855

■ 89.5246, 97.7898,
79.8034

■ 18.6465, 15.0896,
67.5763

■ 16.4038, 11.9250,
67.0837

■ 14.8622, 9.5105,
66.6989

■ 14.3489, 8.6586,
66.5615

Harmonies

Analogous

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



48.6124, 53.2170, 71.9256



51.1228, 53.2170, 73.2231



53.5678, 53.2170, 70.1551

Triad

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



51.1228, 53.2170, 73.2231



54.6822, 53.2170, 49.9523



46.1807, 53.2170, 52.4168

Complementary

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



51.1228, 53.2170, 73.2231



59.4757, 62.7960, 53.7870

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.



47.7077, 53.2170, 47.2395



51.1228, 53.2170, 73.2231



52.6024, 53.2170, 45.9034

Square

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



51.1228, 53.2170, 73.2231



55.6673, 53.2170, 56.4123



50.0434, 53.2170, 44.9540



45.8147, 53.2170, 59.5038

Rectangle

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



51.1228, 53.2170, 73.2231



54.8134, 53.2170, 66.1886



50.0434, 53.2170, 44.9540



46.5726, 53.2170, 50.4147

Sweetspot

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



51.1244, 53.2192, 73.2243



87.7099, 92.0536, 107.7531



55.5803, 64.1892, 68.3647



18.5603, 19.4715, 23.0301



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.



51.1244, 53.2192, 73.2243



69.4612, 72.0299, 104.8499



50.6442, 49.7993, 72.5895



12.6493, 13.2383, 16.5407



8.7660, 5.4014, 40.3190



0.6416, 0.4974, 2.6366

Inverse Universe

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



55.1757, 52.4702, 57.6743



76.4689, 70.8779, 77.9199



59.9964, 66.7766, 54.5279



13.2128, 13.1142, 14.3821



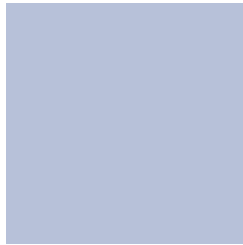
17.9200, 9.1690, 3.9588



1.1982, 0.6089, 0.4524

Previews

White Background



This preview shows how the XYZ color 51.1228, 53.2170, 73.2231 looks on a white background.

Color Contrast Check

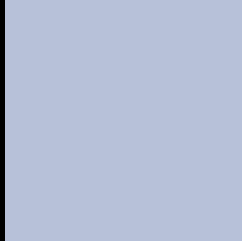
Large Text (above 18pt) WCAG AA × Fail

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 51.1228, 53.2170, 73.2231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

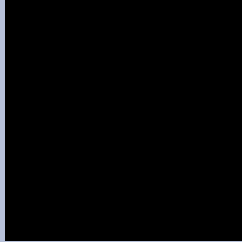
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1228, 53.2170, 73.2231

Background



This preview shows how black text looks on a background with the XYZ color 51.1228, 53.2170, 73.2231.



This preview shows how white text looks on a background with the XYZ color 51.1228, 53.2170,

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

51.1228, 53.2170, 73.2231

Protanopia

52.0117, 53.0383, 72.4618

Deuteranopia

54.1913, 53.1705, 73.7364



Tritanopia

50.2160, 53.1818, 68.5912

Trichromacy



Original Color

51.1228, 53.2170, 73.2231

Protanomaly

51.7378, 53.2219, 72.5117

Deuteranomaly

53.0607, 53.2263, 73.8068

Tritanomaly

50.5934, 53.3328, 70.5785

Monochromacy



Original Color

51.1228, 53.2170, 73.2231

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.7169, 53.2230, 63.4771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1228, 53.2170, 73.2231 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(183, 193, 217)` looks like.

```
.text, #text, p{  
    color:rgb(183, 193, 217)  
}
```

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(183, 193, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 193, 217) }
```

Border

The CSS property to change the border of an element to XYZ 51.1228, 53.2170, 73.2231 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(183, 193, 217) }
```


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

```
.border{ border-color:rgb(183, 193, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 193, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 193, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 193, 217);  
box-shadow:4px 4px 4px 4px rgb(183, 193,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1228, 53.2170, 73.2231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 193, 217) }
```

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

```
.background{ background-color: rgb(183,  
193, 217) }
```

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