

Converting Colors

XYZ(51.3009, 56.7321, 72.5365)

Have a look what the booklet for
XYZ(51.3009, 56.7321, 72.5365)
contains.

XYZ(51.3009, 56.7321, 72.5365)	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(51.3009, 56.7321,
72.5365)**

Conversions

Conversions Part 1

Format	Color
Hex	AFCBD7
RGB	175, 203, 215
RGB Percent	69%, 80%, 84%
CMY	0.3137, 0.2039, 0.1569
CMYK	0.19, 0.06, 0.00, 0.16
HSL	198°, 33%, 76%
HSV	198°, 19%, 84%
XYZ	51.3009, 56.7321, 72.5365
YIQ	195.9960, -20.5400, -2.2040

Conversions

Conversions Part 2

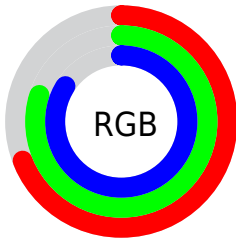
Format	Color
R_{YB}	175, 191, 215
Decimal	11520983
CIE _{Lab}	80.03, -6.82, -9.11
CIE _{LCh}	80, 11.377, 233.178
Yxy	56.7321, 0.2841, 0.3142
Android (android.graphics.Color)	4289711063 (0xFFAFCBD7)
YUV	195.9960, 9.3690, -18.4135
Hunter-Lab	75.3207, -10.2350, -4.3739

Details

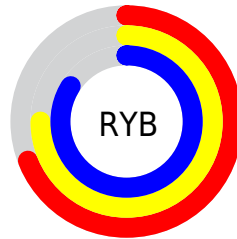
The XYZ color **51.3009, 56.7321, 72.5365** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.5331, 53.0830, 47.9833**, and the grayscale version is **52.4227, 55.1528, 60.0614**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **25.1186, 28.1705, 37.3713** is the 20% darker color. If you saturate the color by 10%, you get **45.3633, 51.4585, 71.8325**, and if you desaturate by 10%, it is **58.0736, 62.5331, 73.3002**.

Distribution



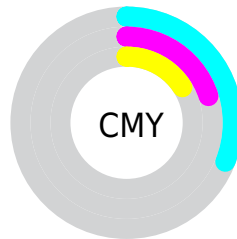
- Red (69%)
- Green (80%)
- Blue (84%)



- Red (69%)
- Yellow (75%)
- Blue (84%)



- Cyan (19%)
- Magenta (6%)
- Yellow (0%)
- Black (16%)



- Cyan (31%)
- Magenta (20%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3009, 56.7321, 72.5365 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 51.3009, 56.7321, 72.5365 by changing the saturation by 10% instead.

■ 51.3009, 56.7321,
72.5365

■ 51.3009, 56.7321,
72.5365

382.1001,
412.4447, 488.4345

■ 36.6702, 40.7902,
53.1075

■ 91.2797, 100.0742,
124.5338

■ 25.1247, 28.1552,
37.5003

117.3585,
128.2431, 157.9392

■ 16.2992, 18.4427,
25.2963

147.9841,
161.2566, 196.8405

■ 9.8283, 11.2683,
16.0769

183.5217,
199.4989, 241.6563

■ 5.3467, 6.2476,
9.4236

224.3368,
243.3545, 292.8050

■ 2.4889, 2.9962,
4.9180

270.7946,

■ 0.8897, 1.1297,

293.2077, 350.7052

2.1413

323.2606,
349.4430, 415.7756

■ 0.0000, 0.0032,
0.6402

■ 0.0000, 0.0000,
0.0000

■ 51.3009, 56.7321,
72.5365

■ 51.3009, 56.7321,
72.5365

■ 45.3633, 51.4585,
71.8325

■ 58.0736, 62.5331,
73.3002

■ 40.2185, 46.6852,
71.1823

■ 65.7108, 68.8735,
74.1215

■ 35.8285, 42.3927,
70.5851

■ 74.2470, 75.7736,
75.0034

■ 32.1494, 38.5573,
70.0387

■ 81.4696, 82.0938,
75.8427

■ 29.1329, 35.1529,
69.5406

■ 83.2852, 85.7250,
76.4479

■ 26.7240, 32.1499,
69.0879

■ 85.1678, 89.4901,
77.0754

■ 24.8581, 29.5138,
68.6774

■ 87.1180, 93.3905,
77.7254

■ 23.4369, 27.1925,
68.3043

■ 89.1365, 97.4276,
78.3983

■ 23.2545, 26.8835,
68.2543

■ 89.2659, 97.6864,
78.4414

Harmonies

Analogous

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



49.9370, 56.7321, 66.9205



51.3009, 56.7321, 72.5365



53.3957, 56.7321, 75.2982

Triad

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



51.3009, 56.7321, 72.5365



58.4587, 56.7321, 63.2967



52.1910, 56.7321, 50.7890

Complementary

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



51.3009, 56.7321, 72.5365



53.5331, 53.0830, 47.9833

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.



54.4521, 56.7321, 49.9705



51.3009, 56.7321, 72.5365



58.1139, 56.7321, 56.8939

Square

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



51.3009, 56.7321, 72.5365



57.5605, 56.7321, 69.7224



56.6312, 56.7321, 52.1282



50.4405, 56.7321, 54.4495

Rectangle

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



51.3009, 56.7321, 72.5365



54.9422, 56.7321, 75.0187



56.6312, 56.7321, 52.1282



52.9148, 56.7321, 50.1837

Sweetspot

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



51.3026, 56.7344, 72.5378



88.1969, 94.3197, 108.1648



50.8792, 61.2753, 55.7873



18.7242, 20.0598, 23.1350



0.0000, 0.0000, 0.0000



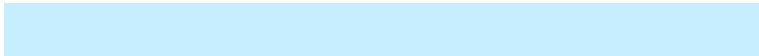
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.3026, 56.7344, 72.5378



72.2017, 80.5985, 106.3594



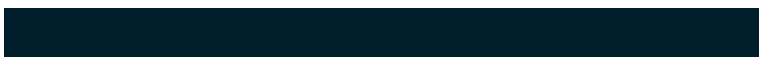
47.0175, 48.1642, 71.1094



12.4631, 13.4497, 15.8767



14.0055, 16.2728, 40.8559



0.9156, 1.1232, 2.4879

Inverse Universe

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



54.1352, 49.4202, 63.1883



77.0985, 68.2441, 90.1315



57.9149, 61.8466, 49.4439



12.7870, 12.5663, 14.8184



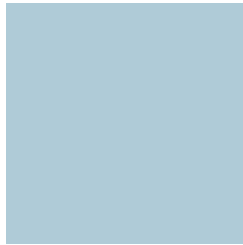
20.1282, 9.9876, 18.5109



1.2498, 0.6167, 1.3049

Previews

White Background



This preview shows how the XYZ color 51.3009, 56.7321, 72.5365 looks on a white background.

Color Contrast Check

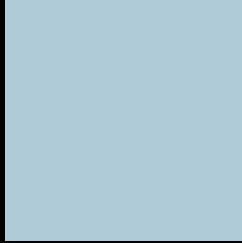
Large Text (above 18pt) WCAG AA × Fail

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 51.3009, 56.7321, 72.5365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

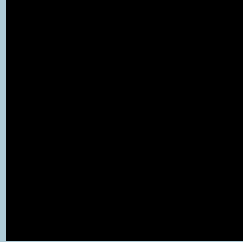
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.3009, 56.7321, 72.5365

Background



This preview shows how black text looks on a background with the XYZ color 51.3009, 56.7321, 72.5365.

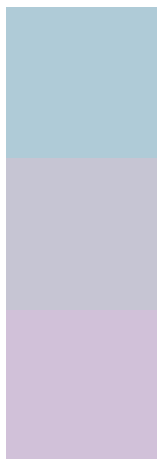


This preview shows how white text looks on a background with the XYZ color 51.3009, 56.7321,

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

51.3009, 56.7321, 72.5365

Protanopia

55.0128, 56.6414, 69.6614

Deuteranopia

57.8888, 56.7050, 73.5397



Tritanopia

51.8112, 56.5856, 75.2092

Trichromacy



Original Color

51.3009, 56.7321, 72.5365

Protanomaly

53.5423, 56.5475, 70.3801

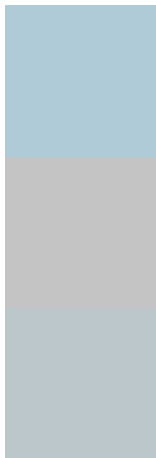
Deuteranomaly

55.3869, 56.7607, 73.0025

Tritanomaly

51.6799, 56.5331, 74.5178

Monochromacy



Original Color

51.3009, 56.7321, 72.5365

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.9420, 55.8500, 64.5424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3009, 56.7321, 72.5365 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(175, 203, 215)` looks like.

```
.text, #text, p{  
    color:rgb(175, 203, 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(175, 203, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 203, 215) }
```

Border

The CSS property to change the border of an element to XYZ 51.3009, 56.7321, 72.5365 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(175, 203, 215) }
```


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

```
.border{ border-color:rgb(175, 203, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 203, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 203, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 203, 215);  
box-shadow:4px 4px 4px 4px rgb(175, 203,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3009, 56.7321, 72.5365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 203, 215) }
```

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

```
.background{ background-color: rgb(175,  
203, 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