

Converting Colors

XYZ(49.5256, 56.9778, 70.2184)

Have a look what the booklet for
XYZ(49.5256, 56.9778, 70.2184)
contains.

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Color

**XYZ(49.5551, 56.9528,
70.0092)**

Conversions

Conversions Part 1

Format	Color
Hex	A6CED3
RGB	166, 206, 211
RGB Percent	65%, 81%, 83%
CMY	0.3490, 0.1921, 0.1725
CMYK	0.21, 0.02, 0.00, 0.17
HSL	187°, 34%, 74%
HSV	187°, 21%, 83%
XYZ	49.5551, 56.9528, 70.0092
YIQ	194.6100, -25.4450, -6.9250

Conversions

Conversions Part 2

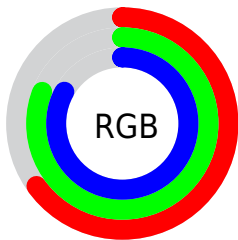
Format	Color
RYB	166, 187, 211
Decimal	10931923
CIELab	80.15, -12.03, -6.84
CIElCh	80, 13.835, 209.631
Yxy	56.9528, 0.2807, 0.3226
Android (android.graphics.Color)	4289122003 (0xFFA6CED3)
YUV	194.6100, 8.0803, -25.0910
Hunter-Lab	75.4671, -14.8562, -2.1751

Details

The XYZ color **49.5551, 56.9528, 70.0092** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.3104, 45.7280, 42.3577**, and the grayscale version is **51.6055, 54.2930, 59.1251**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **24.1241, 28.4015, 36.1089** is the 20% darker color. If you saturate the color by 10%, you get **44.9303, 53.7389, 69.6335**, and if you desaturate by 10%, it is **54.9174, 60.5623, 70.4242**.

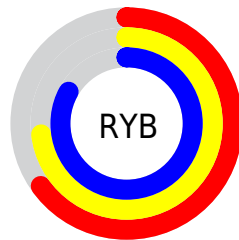
Distribution



Red (65%)

Green (81%)

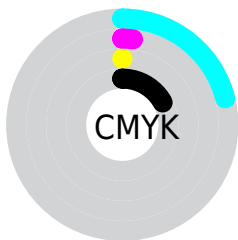
Blue (83%)



Red (65%)

Yellow (73%)

Blue (83%)

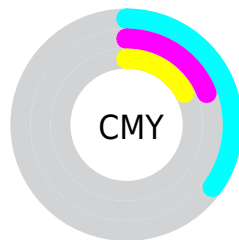


Cyan (21%)

Magenta (2%)

Yellow (0%)

Black (17%)



Cyan (35%)


Magenta (19%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5551, 56.9528, 70.0092 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 49.5551, 56.9528, 70.0092 by changing the saturation by 10% instead.


 49.5551, 56.9528,
70.0092


 49.5551, 56.9528,
70.0092


375.4044,
413.2724, 479.3723

 35.2764, 40.9673,
51.0572


 88.7111, 100.3963,
120.9031

 24.0434, 28.2936,
35.8771

 114.3191,
128.6232, 153.6821

 15.4907, 18.5471,
24.0503


144.4342,
161.6993, 191.9071

 9.2530, 11.3435,
15.1584

179.4219,
200.0090, 235.9968

 4.9650, 6.2984,
8.7828

219.6473,
243.9368, 286.3696

 2.2613, 3.0273,
4.5049

265.4760,

 0.7748, 1.1460,

293.8671, 343.4441

1.9062

317.2732,
350.1841, 407.6388

■ 0.0000, 0.0169,
0.4967

■ 0.0000, 0.0000,
0.0000

■ 49.5551, 56.9528,
70.0092

■ 49.5551, 56.9528,
70.0092

■ 44.9303, 53.7389,
69.6335

■ 54.9174, 60.5623,
70.4242

■ 41.0025, 50.8952,
69.2917

■ 61.0450, 64.5775,
70.8763

■ 37.7350, 48.4044,
68.9831

■ 67.9706, 69.0166,
71.3681

■ 35.0859, 46.2446,
68.7058

■ 75.7235, 73.8949,
71.9010

■ 33.0080, 44.3916,
68.4577

■ 77.9970, 75.9611,
72.1800

■ 31.4476, 42.8176,
68.2361

■ 78.6079, 77.1829,
72.3837

■ 30.3405, 41.4894,
68.0381

■ 79.2275, 78.4221,
72.5902

■ 29.6494, 40.4860,
67.8809

■ 79.8557, 79.6785,
72.7996

■ 80.4926, 80.9523,
73.0119

Harmonies

Analogous

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



48.8898, 56.9528, 61.9120



49.5551, 56.9528, 70.0092



51.4372, 56.9528, 76.3951

Triad

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



49.5551, 56.9528, 70.0092



58.9453, 56.9528, 70.1971



54.1668, 56.9528, 47.7460

Complementary

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



49.5551, 56.9528, 70.0092



48.3104, 45.7280, 42.3577

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.



56.9192, 56.9528, 49.5578



49.5551, 56.9528, 70.0092



59.7360, 56.9528, 62.1119

Square

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



49.5551, 56.9528, 70.0092



56.8567, 56.9528, 76.5101



58.9822, 56.9528, 54.6481



51.4956, 56.9528, 49.4717

Rectangle

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



49.5551, 56.9528, 70.0092



53.1620, 56.9528, 78.5723



58.9822, 56.9528, 54.6481



55.1135, 56.9528, 47.9590

Sweetspot

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



49.5568, 56.9551, 70.0105



89.1038, 96.1335, 108.4671



46.3243, 57.6178, 46.9596



18.9391, 20.4895, 23.2066



0.0000, 0.0000, 0.0000



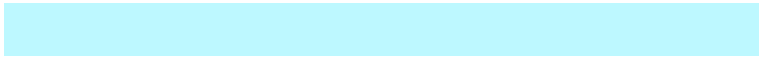
20.3446, 21.4041, 23.3091

Same Dimension

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



49.5568, 56.9551, 70.0105



72.4179, 84.9125, 107.1807



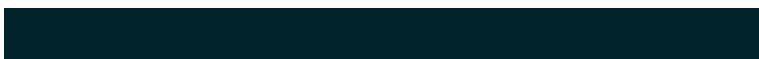
44.6254, 47.0923, 68.3667



12.0416, 13.1735, 15.1517



17.9401, 24.5268, 40.9811



1.0358, 1.4368, 2.3023

Inverse Universe

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



51.6421, 45.5788, 64.4710



76.2602, 64.2811, 96.9003



52.8179, 54.7431, 43.8602



12.2519, 11.9855, 14.6022



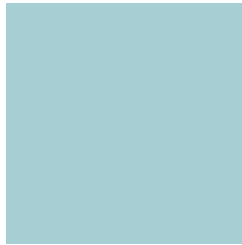
21.6861, 10.5473, 29.5826



1.2291, 0.5963, 1.7410

Previews

White Background



This preview shows how the XYZ color 49.5551, 56.9528, 70.0092 looks on a white background.

Color Contrast Check

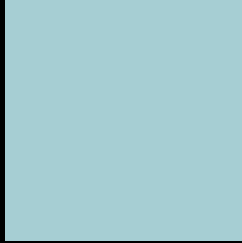
Large Text (above 18pt) WCAG AA × Fail

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 49.5551, 56.9528, 70.0092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

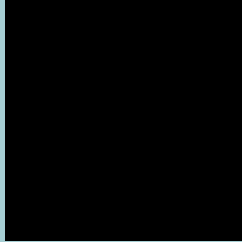
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5551, 56.9528, 70.0092

Background



This preview shows how black text looks on a background with the XYZ color 49.5551, 56.9528, 70.0092.



This preview shows how white text looks on a background with the XYZ color 49.5551, 56.9528,

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

49.5551, 56.9528, 70.0092

Protanopia

54.9262, 56.6681, 66.4356

Deuteranopia

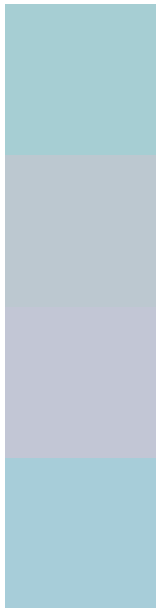
57.7859, 56.6966, 71.5162



Tritanopia

50.7925, 56.7310, 76.6797

Trichromacy



Original Color

49.5551, 56.9528, 70.0092

Protanomaly

52.7785, 56.5540, 67.8088

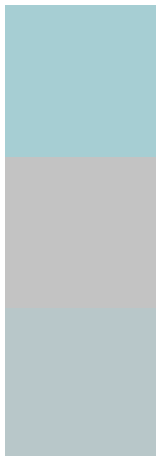
Deuteranomaly

54.4525, 56.6616, 71.0176

Tritanomaly

50.2921, 56.8879, 73.9754

Monochromacy



Original Color

49.5551, 56.9528, 70.0092

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.7332, 55.2542, 63.2495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5551, 56.9528, 70.0092 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(166, 206, 211)` looks like.

```
.text, #text, p{  
    color:rgb(166, 206, 211)  
}
```

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(166, 206, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 206, 211) }
```

Border

The CSS property to change the border of an element to XYZ 49.5551, 56.9528, 70.0092 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(166, 206, 211) }
```


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

```
.border{ border-color:rgb(166, 206, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 206, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 206, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 206, 211);  
box-shadow:4px 4px 4px 4px rgb(166, 206,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5551, 56.9528, 70.0092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 206, 211) }
```

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

```
.background{ background-color: rgb(166,  
206, 211) }
```

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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