

Converting Colors

XYZ(49.2929, 56.7276, 73.9973)

Have a look what the booklet for
XYZ(49.2929, 56.7276, 73.9973)
contains.

XYZ(49.2936, 56.7294, 73.9975)	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(49.2936, 56.7294,
73.9975)**

Conversions

Conversions Part 1

Format	Color
Hex	A1CED9
RGB	161, 206, 217
RGB Percent	63%, 81%, 85%
CMY	0.3686, 0.1921, 0.1490
CMYK	0.26, 0.05, 0.00, 0.15
HSL	192°, 42%, 74%
HSV	192°, 26%, 85%
XYZ	49.2936, 56.7294, 73.9975
YIQ	193.7990, -30.3510, -6.1190

Conversions

Conversions Part 2

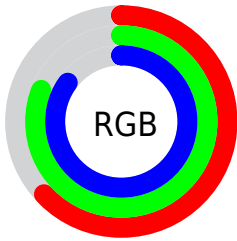
Format	Color
R _{YB}	161, 186, 217
Decimal	10604249
CIE _{Lab}	80.03, -12.19, -10.28
CIE _{LCh}	80, 15.945, 220.122
Y _{xy}	56.7294, 0.2738, 0.3151
Android (android.graphics.Color)	4288794329 (0xFFA1CED9)
YUV	193.7990, 11.4381, -28.7647
Hunter-Lab	75.3189, -14.9861, -5.5265

Details

The XYZ color **49.2936, 56.7294, 73.9975** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.8015, 46.8303, 40.1337**, and the grayscale version is **51.1081, 53.7697, 58.5552**.

A 20% lighter version of the original color is **82.4253, 93.4917, 108.3092**, and **23.9342, 28.2533, 38.3744** is the 20% darker color. If you saturate the color by 10%, you get **44.2827, 52.6451, 73.4742**, and if you desaturate by 10%, it is **55.0946, 61.2651, 74.5682**.

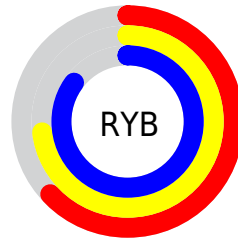
Distribution



Red (63%)

Green (81%)

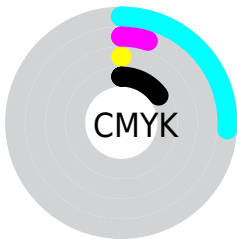
Blue (85%)



Red (63%)

Yellow (73%)

Blue (85%)

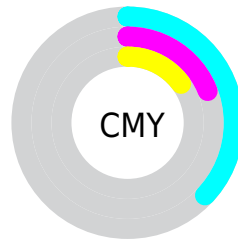


Cyan (26%)

Magenta (5%)

Yellow (0%)

Black (15%)



Cyan (37%)

Magenta (19%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2936, 56.7294, 73.9975 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 49.2936, 56.7294, 73.9975 by changing the saturation by 10% instead.

■ 49.2936, 56.7294,
73.9975

■ 49.2936, 56.7294,
73.9975

374.3948,
412.4346, 493.6279

■ 35.0679, 40.7880,
54.2952

■ 88.3255, 100.0702,
126.6263

■ 23.8820, 28.1535,
38.4430

■ 113.8624,
128.2385, 160.3898

■ 15.3704, 18.4414,
26.0222

143.9004,
161.2512, 199.6776

■ 9.1677, 11.2673,
16.6143

178.8049,
199.4926, 244.9081

■ 4.9087, 6.2470,
9.8008

218.9412,
243.3473, 296.4998

■ 2.2280, 2.9958,
5.1632

264.6748,

■ 0.7574, 1.1296,

293.1996, 354.8713

2.2829

316.3708,
349.4339, 420.4412

■ 0.0000, 0.0030,
0.7216

■ 0.0000, 0.0000,
0.0000

■ 49.2936, 56.7294,
73.9975

■ 49.2936, 56.7294,
73.9975

■ 44.2827, 52.6451,
73.4742

■ 55.0946, 61.2651,
74.5682

■ 40.0175, 48.9848,
72.9925

■ 61.7172, 66.2646,
75.1841

■ 36.4566, 45.7282,
72.5516

■ 69.1974, 71.7482,
75.8483

■ 33.5526, 42.8506,
72.1492

■ 77.5674, 77.7327,
76.5623

■ 31.2521, 40.3241,
71.7828

■ 81.3191, 81.3789,
77.0683

■ 29.4927, 38.1162,
71.4493

■ 82.5013, 83.7434,
77.4624

■ 28.1977, 36.1870,
71.1452

■ 83.7126, 86.1660,
77.8662

■ 27.7351, 35.4310,
71.0237

■ 84.9532, 88.6471,
78.2797

■ 86.2233, 91.1872,
78.7031

Harmonies

Analogous

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



48.0149, 56.7294, 64.9584



49.2936, 56.7294, 73.9975



51.8284, 56.7294, 80.1174

Triad

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



49.2936, 56.7294, 73.9975



59.9945, 56.7294, 68.0376



52.8319, 56.7294, 45.8132

Complementary

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



49.2936, 56.7294, 73.9975



49.8015, 46.8303, 40.1337

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.



56.0663, 56.7294, 46.4599



49.2936, 56.7294, 73.9975



60.2896, 56.7294, 58.6851

Square

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



49.2936, 56.7294, 73.9975



58.0357, 56.7294, 76.4449



58.8263, 56.7294, 50.9673



50.0029, 56.7294, 49.1024

Rectangle

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



49.2936, 56.7294, 73.9975



53.9328, 56.7294, 81.3887



58.8263, 56.7294, 50.9673



53.9063, 56.7294, 45.5861

Sweetspot

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



49.2953, 56.7317, 73.9988



86.6742, 93.8046, 108.1456



46.8880, 60.1543, 47.8023



18.2340, 19.8395, 23.1183



0.0000, 0.0000, 0.0000



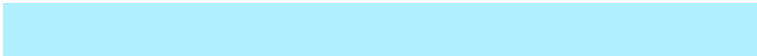
20.3446, 21.4041, 23.3091

Same Dimension

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



49.2953, 56.7317, 73.9988



66.9491, 78.4561, 106.2227



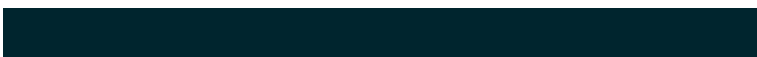
43.2902, 44.7214, 71.9971



13.2163, 14.3724, 16.7297



16.8645, 21.5984, 43.0185



1.1492, 1.5125, 2.8058

Inverse Universe

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



52.5021, 44.6990, 64.2557



72.4059, 58.5512, 89.5155



55.5342, 58.2957, 42.0446



13.4990, 13.2287, 15.8892



22.0077, 10.8041, 25.4845



1.4544, 0.7114, 1.8015

Previews

White Background



This preview shows how the XYZ color 49.2936, 56.7294, 73.9975 looks on a white background.

Color Contrast Check

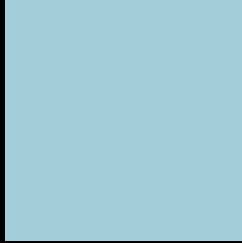
Large Text (above 18pt) WCAG AA × Fail

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 49.2936, 56.7294, 73.9975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

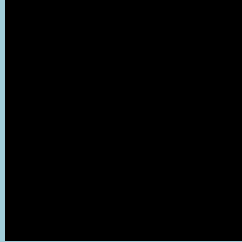
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2936, 56.7294, 73.9975

Background



This preview shows how black text looks on a background with the XYZ color 49.2936, 56.7294, 73.9975.

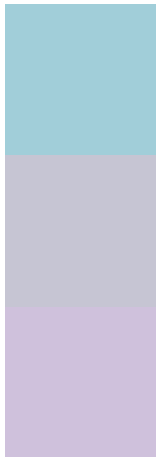


This preview shows how white text looks on a background with the XYZ color 49.2936, 56.7294,

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

49.2936, 56.7294, 73.9975

Protanopia

55.0128, 56.6414, 69.6614

Deuteranopia

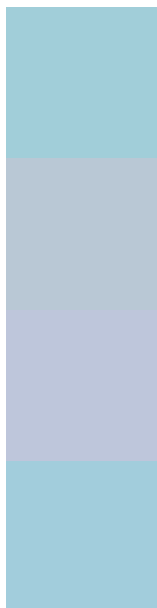
57.7204, 56.5726, 75.5876



Tritanopia

49.9164, 56.6180, 77.4047

Trichromacy



Original Color

49.2936, 56.7294, 73.9975

Protanomaly

52.6721, 56.4269, 71.0662

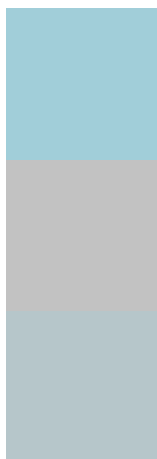
Deuteranomaly

54.2155, 56.4498, 75.0563

Tritanomaly

49.6499, 56.5113, 76.0011

Monochromacy



Original Color

49.2936, 56.7294, 73.9975

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.1462, 54.5975, 63.7725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2936, 56.7294, 73.9975 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(161, 206, 217)` looks like.

```
.text, #text, p{  
    color:rgb(161, 206, 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(161, 206, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 206, 217) }
```

Border

The CSS property to change the border of an element to XYZ 49.2936, 56.7294, 73.9975 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(161, 206, 217) }
```


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

```
.border{ border-color:rgb(161, 206, 217) }
```

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

Here you see how a box with a 4 pixel rgb(161, 206, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 206, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 206, 217);  
box-shadow:4px 4px 4px 4px rgb(161, 206,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2936, 56.7294, 73.9975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 206, 217) }
```

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

```
.background{ background-color: rgb(161,  
206, 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