

Converting Colors

XYZ(49.0628, 72.0985, 86.9318)

Have a look what the booklet for
XYZ(49.0628, 72.0985, 86.9318)
contains.

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Color

**XYZ(49.0628, 72.0985,
86.9318)**

Conversions

Conversions Part 1

Format	Color
Hex	3EF5E7
RGB	62, 245, 231
RGB Percent	24%, 96%, 91%
CMY	0.7568, 0.0392, 0.0941
CMYK	0.75, 0.00, 0.06, 0.04
HSL	175°, 90%, 60%
HSV	175°, 75%, 96%
XYZ	49.0628, 72.0985, 86.9318
YIQ	188.6870, -104.5740, -43.1500

Conversions

Conversions Part 2

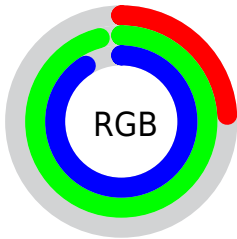
Format	Color
R _{YB}	62, 157, 245
Decimal	4126183
CIE Lab	88.02, -47.26, -6.20
CIE LCh	88, 47.660, 187.476
Yxy	72.0985, 0.2358, 0.3465
Android (android.graphics.Color)	4282316263 (0xFF3EF5E7)
YUV	188.6870, 20.8603, -111.1045
Hunter-Lab	84.9108, -45.4539, -1.2636

Details

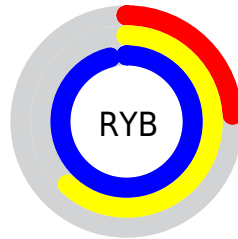
The XYZ color **49.0628, 72.0985, 86.9318** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **40.6857, 23.3816, 9.2086**, and the grayscale version is **48.1213, 50.6273, 55.1332**.

A 20% lighter version of the original color is **64.1265, 84.0584, 107.4528**, and **25.8197, 39.1010, 47.2607** is the 20% darker color. If you saturate the color by 10%, you get **47.5956, 71.3742, 85.4898**, and if you desaturate by 10%, it is **51.2289, 73.1861, 88.4245**.

Distribution



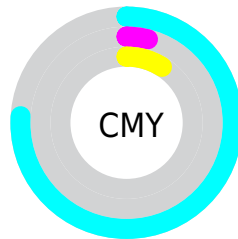
- Red (24%)
- Green (96%)
- Blue (91%)



- Red (24%)
- Yellow (62%)
- Blue (96%)



- Cyan (75%)
- Magenta (0%)
- Yellow (6%)
- Black (4%)





- Cyan (76%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0628, 72.0985, 86.9318 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 49.0628, 72.0985, 86.9318 by changing the saturation by 10% instead.


 49.0628, 72.0985,
86.9318


 49.0628, 72.0985,
86.9318


373.5024,
467.8844, 538.3091


 34.8840, 53.2391,
64.8795


 87.9849, 122.1966,
144.9671


 23.7397, 37.9937,
46.9126


 113.4589,
154.2041, 181.7872

 15.2643, 25.9778,
32.6127


 143.4287,
191.3631, 224.3669

 9.0926, 16.8070,
21.5613

 178.2597,
234.0579, 273.1248

 4.8592, 10.0970,
13.3397

218.3172,
282.6731, 328.4794

 2.1988, 5.4633,
7.5294

263.9666,

 0.7421, 2.5216,

337.5930, 390.8493

3.7119

315.5732,
399.2019, 460.6530

0.0000, 0.8874,
1.4687

0.0000, 0.0000,
0.1944

49.0628, 72.0985,
86.9318

49.0628, 72.0985,
86.9318

47.5956, 71.3742,
85.4898

51.2289, 73.1861,
88.4245


46.7197, 70.9528,
84.0886


54.1701, 74.6712,
89.9668


46.4163, 70.8122,
83.3581


57.9593, 76.5932,
91.5636


62.6596, 78.9845,
93.2180

 68.3279, 81.8746,
94.9327

 75.0165, 85.2902,
96.7102

 82.7740, 89.2566,
98.5528

 90.5280, 93.2209,
100.4103

 90.8173, 93.3366,
101.9337

Harmonies

Analogous

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



50.2578, 72.0985, 56.8856



49.0628, 72.0985, 86.9318



52.6060, 72.0985, 123.0734

Triad

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



49.0628, 72.0985, 86.9318



82.7028, 72.0985, 139.3856



77.2445, 72.0985, 33.7200

Complementary

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



49.0628, 72.0985, 86.9318



40.6857, 23.3816, 9.2086

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.



87.3752, 72.0985, 46.2477



49.0628, 72.0985, 86.9318



90.7617, 72.0985, 105.0018

Square

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



49.0628, 72.0985, 86.9318



71.4106, 72.0985, 158.3472



92.5598, 72.0985, 70.6375



65.7230, 72.0985, 31.3623

Rectangle

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



49.0628, 72.0985, 86.9318



57.4365, 72.0985, 143.9842



92.5598, 72.0985, 70.6375



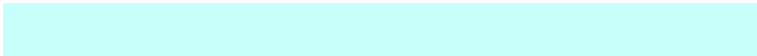
80.9615, 72.0985, 36.6724

Sweetspot

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



49.0649, 72.1012, 86.9335



76.6531, 90.5950, 104.4717



36.6050, 67.2437, 15.6091



16.0055, 19.1862, 22.2495



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.



49.0649, 72.1012, 86.9335



51.5237, 77.8732, 92.7731



32.6121, 35.9029, 91.6004



16.9388, 18.7346, 20.9619



25.0279, 38.1560, 45.0283



2.2157, 3.3599, 4.0418

Inverse Universe

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



40.6857, 23.3816, 9.2086



42.0356, 22.1517, 4.3515



47.6529, 38.0122, 9.3846



16.5506, 16.5031, 17.3799



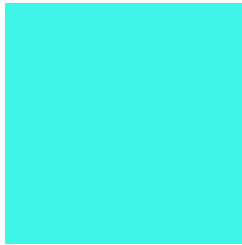
20.3671, 10.4903, 1.3755



1.8075, 0.9290, 0.2129

Previews

White Background



This preview shows how the XYZ color 49.0628, 72.0985, 86.9318 looks on a white background.

Color Contrast Check

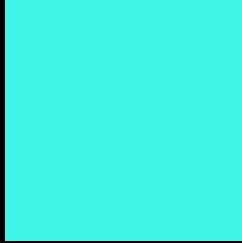
Large Text (above 18pt) WCAG AA × Fail

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 49.0628, 72.0985, 86.9318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

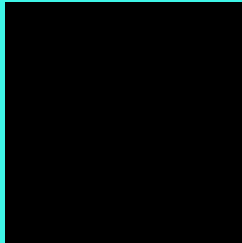
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

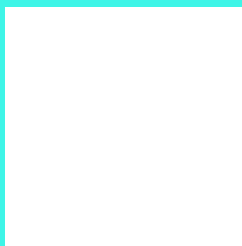
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0628, 72.0985, 86.9318

Background



This preview shows how black text looks on a background with the XYZ color 49.0628, 72.0985, 86.9318.

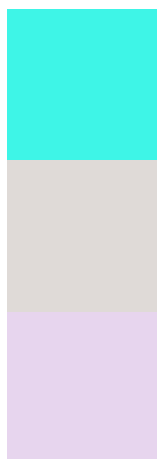


This preview shows how white text looks on a background with the XYZ color 49.0628, 72.0985,

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

49.0628, 72.0985, 86.9318

Protanopia

67.7686, 70.7371, 74.3718

Deuteranopia

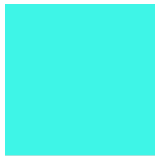
72.1819, 70.7505, 90.7407



Tritanopia

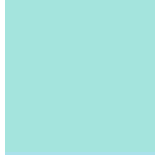
55.4346, 71.8798, 105.5602

Trichromacy



Original Color

49.0628, 72.0985, 86.9318



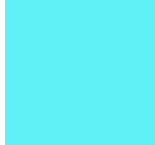
Protanomaly

56.1044, 68.5998, 78.6907



Deuteranomaly

58.4982, 68.3946, 88.7156



Tritanomaly

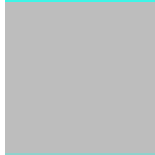
52.7059, 71.9441, 98.2975

Monochromacy



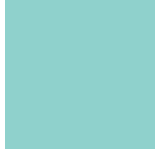
Original Color

49.0628, 72.0985, 86.9318



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

45.0272, 55.8002, 65.5241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0628, 72.0985, 86.9318 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(62, 245, 231)` looks like.

```
.text, #text, p{  
    color:rgb(62, 245, 231)  
}
```

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(62, 245, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 245, 231) }
```

Border

The CSS property to change the border of an element to XYZ 49.0628, 72.0985, 86.9318 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(62, 245, 231) }
```


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

```
.border{ border-color:rgb(62, 245, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 245, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 245, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 245, 231);  
box-shadow:4px 4px 4px 4px rgb(62, 245,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0628, 72.0985, 86.9318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 245, 231) }
```

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

```
.background{ background-color: rgb(62, 245,  
231) }
```

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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