

Converting Colors

XYZ(49.3967, 72.9995, 87.0991)

Have a look what the booklet for
XYZ(49.3967, 72.9995, 87.0991)
contains.

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Color

**XYZ(49.4882, 73.2209,
87.1260)**

Conversions

Conversions Part 1

Format	Color
Hex	3BF7E7
RGB	59, 247, 231
RGB Percent	23%, 97%, 91%
CMY	0.7686, 0.0314, 0.0941
CMYK	0.76, 0.00, 0.06, 0.03
HSL	175°, 92%, 60%
HSV	175°, 76%, 97%
XYZ	49.4882, 73.2209, 87.1260
YIQ	188.9640, -106.9120, -44.8320

Conversions

Conversions Part 2

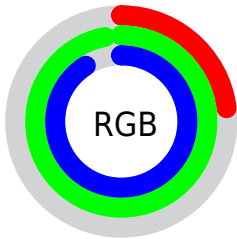
Format	Color
R _Y B	59, 157, 247
Decimal	3930087
CIE Lab	88.55, -48.41, -5.41
CIE LCh	89, 48.716, 186.380
Yxy	73.2209, 0.2358, 0.3489
Android (android.graphics.Color)	4282120167 (0xFF3BF7E7)
YUV	188.9640, 20.7237, -113.9784
Hunter-Lab	85.5692, -46.5122, -0.4702

Details

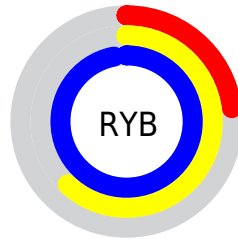
The XYZ color **49.4882, 73.2209, 87.1260** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **41.1942, 23.4122, 9.0070**, and the grayscale version is **48.2812, 50.7956, 55.3164**.

A 20% lighter version of the original color is **63.9633, 83.9742, 107.4452**, and **26.2499, 39.9615, 47.4041** is the 20% darker color. If you saturate the color by 10%, you get **48.0607, 72.5208, 85.5198**, and if you desaturate by 10%, it is **51.6153, 74.2846, 88.7869**.

Distribution



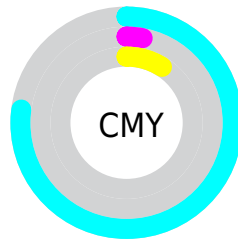
- Red (23%)
- Green (97%)
- Blue (91%)



- Red (23%)
- Yellow (62%)
- Blue (97%)



- Cyan (76%)
- Magenta (0%)
- Yellow (6%)
- Black (3%)





- Cyan (77%)
- Magenta (3%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4882, 73.2209, 87.1260 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 49.4882, 73.2209, 87.1260 by changing the saturation by 10% instead.


 49.4882, 73.2209,
87.1260


 49.4882, 73.2209,
87.1260


375.1463,
471.7801, 538.9638


 35.2230, 54.1566,
65.0393


 88.6125, 123.7908,
145.2402

 24.0021, 38.7269,
47.0414


 114.2023,
156.0651, 182.1047

 15.4599, 26.5473,
32.7138


 144.2977,
193.5116, 224.7322

 9.2312, 17.2335,
21.6380

 179.2641,
236.5146, 273.5413

 4.9506, 10.4011,
13.3953

219.4668,
285.4586, 328.9504

 2.2528, 5.6657,
7.5674

265.2711,

 0.7703, 2.6429,

340.7279, 391.3782

3.7356

317.0425,
402.7069, 461.2431

■ 0.0000, 0.9483,
1.4815

■ 0.0000, 0.0000,
0.2041

■ 49.4882, 73.2209,
87.1260

■ 49.4882, 73.2209,
87.1260

■ 48.0607, 72.5208,
85.5198

■ 51.6153, 74.2846,
88.7869

■ 47.2193, 72.1207,
83.9579

■ 54.5219, 75.7481,
90.5012

■ 46.9865, 72.0137,
83.3596

■ 58.2840, 77.6522,
92.2744

■ 62.9668, 80.0305,
94.1095

68.6292, 82.9134,
96.0092

75.3251, 86.3286,
97.9763

83.1046, 90.3021,
100.0131

91.4176, 94.5501,
102.0940

91.7454, 94.6813,
103.8203

Harmonies

Analogous

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



50.8963, 73.2209, 56.5307



49.4882, 73.2209, 87.1260



52.9594, 73.2209, 124.5376

Triad

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



49.4882, 73.2209, 87.1260



83.8577, 73.2209, 143.9070



79.0342, 73.2209, 33.9570

Complementary

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



49.4882, 73.2209, 87.1260



41.1942, 23.4122, 9.0070

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.



89.3918, 73.2209, 47.2036



49.4882, 73.2209, 87.1260



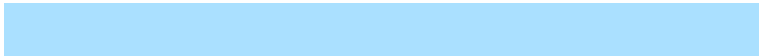
92.3884, 73.2209, 108.5277

Square

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



49.4882, 73.2209, 87.1260



72.1326, 73.2209, 162.7576



94.5195, 73.2209, 72.7557



67.1162, 73.2209, 31.1967

Rectangle

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



49.4882, 73.2209, 87.1260



57.8313, 73.2209, 146.5714



94.5195, 73.2209, 72.7557



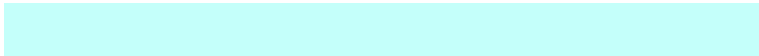
82.8531, 73.2209, 37.1046

Sweetspot

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



49.4903, 73.2237, 87.1277



75.8726, 90.2054, 103.8612



37.1781, 68.4515, 15.3923



15.7151, 19.0402, 22.0689



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.



49.4903, 73.2237, 87.1277



51.1434, 77.7140, 91.0897



33.3093, 37.0775, 93.3999



16.9323, 18.7321, 20.9277



24.8751, 38.0949, 44.2235



2.2039, 3.3552, 3.9795

Inverse Universe

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



41.1942, 23.4122, 9.0070



41.9760, 22.0431, 4.2993



47.7029, 37.1988, 8.8052



16.5564, 16.5054, 17.4105



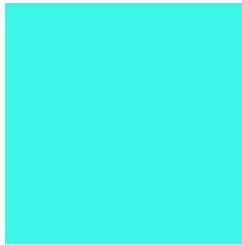
20.3785, 10.4949, 1.4358



1.8103, 0.9301, 0.2275

Previews

White Background



This preview shows how the XYZ color 49.4882, 73.2209, 87.1260 looks on a white background.

Color Contrast Check

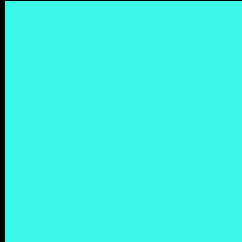
Large Text (above 18pt) WCAG AA × Fail

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 49.4882, 73.2209, 87.1260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

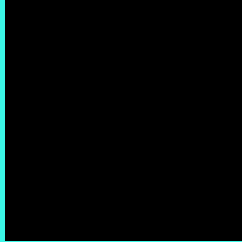
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4882, 73.2209, 87.1260

Background



This preview shows how black text looks on a background with the XYZ color 49.4882, 73.2209, 87.1260.

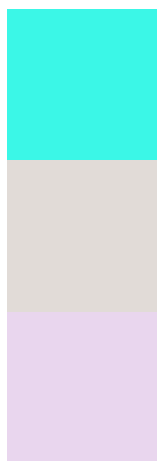


This preview shows how white text looks on a background with the XYZ color 49.4882, 73.2209,

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

49.4882, 73.2209, 87.1260

Protanopia

68.6486, 71.5769, 74.4875

Deuteranopia

73.0835, 71.5898, 90.8552



Tritanopia

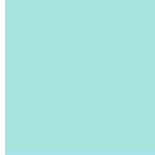
56.9425, 73.0906, 105.7144

Trichromacy



Original Color

49.4882, 73.2209, 87.1260



Protanomaly

56.5875, 69.2584, 78.7923



Deuteranomaly

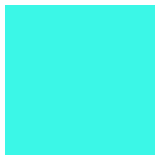
58.7693, 68.9369, 88.8059



Tritanomaly

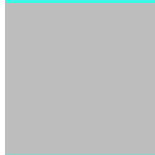
53.5323, 72.8107, 98.4212

Monochromacy



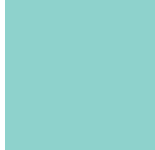
Original Color

49.4882, 73.2209, 87.1260



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

45.1010, 56.2036, 65.5980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4882, 73.2209, 87.1260 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(59, 247, 231)` looks like.

```
.text, #text, p{  
    color:rgb(59, 247, 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(59, 247, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 247, 231) }
```

Border

The CSS property to change the border of an element to XYZ 49.4882, 73.2209, 87.1260 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(59, 247, 231) }
```


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

```
.border{ border-color:rgb(59, 247, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 247, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 247, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 247, 231);  
box-shadow:4px 4px 4px 4px rgb(59, 247,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4882, 73.2209, 87.1260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 247, 231) }
```

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

```
.background{ background-color: rgb(59, 247,  
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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