

Converting Colors

XYZ(19.6394, 41.7893, 71.3727)

Have a look what the booklet for
XYZ(19.6394, 41.7893, 71.3727)
contains.

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Color

**XYZ(34.5786, 49.5319,
72.0281)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00CFD7 |
| RGB | 0, 207, 215 |
| RGB Percent | 0%, 81%, 84% |
| CMY | 0.9998, 0.1882, 0.1569 |
| CMYK | 1.00, 0.04, 0.00, 0.16 |
| HSL | 182°, 100%, 42% |
| HSV | 182°, 100%, 84% |
| XYZ | 34.5786, 49.5319, 72.0281 |
| YIQ | 146.0190, -125.9400, -41.3960 |

Conversions

Conversions Part 2

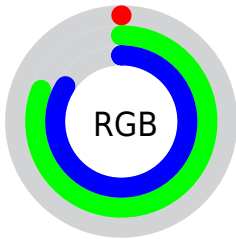
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 105, 215 |
| Decimal | 53207 |
| CIELab | 75.78, -38.67, -16.02 |
| CIELCh | 76, 41.858, 202.506 |
| Yxy | 49.5319, 0.2215, 0.3172 |
| Android (android.graphics.Color) | 4278243287 (0xFF00CFD7) |
| YUV | 146.0190, 34.0076, -128.0587 |
| Hunter-Lab | 70.3789, -35.4624, -11.4141 |

Details

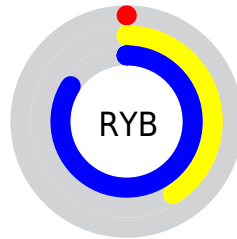
The XYZ color **34.5786, 49.5319, 72.0281** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **28.1125, 14.6223, 1.3424**, and the grayscale version is **27.2390, 28.6576, 31.2081**.

A 20% lighter version of the original color is **60.1167, 81.9912, 107.2651**, and **17.5734, 24.9945, 37.1559** is the 20% darker color. If you saturate the color by 10%, you get **34.5789, 49.5323, 72.0291**, and if you desaturate by 10%, it is **35.0950, 50.0876, 72.1091**.

Distribution



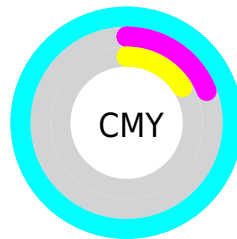
- Red (0%)
- Green (81%)
- Blue (84%)



- Red (0%)
- Yellow (41%)
- Blue (84%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (16%)




- Cyan (100%)
- Magenta (19%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5786, 49.5319, 72.0281 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 34.5786, 49.5319, 72.0281 by changing the saturation by 10% instead.


 34.5786, 49.5319,
72.0281


 34.5786, 49.5319,
72.0281


314.2451,
384.8326, 486.6196


 23.5034, 35.0416,
52.6947

 66.1708, 89.4809,
123.8046


 15.0884, 23.6949,
37.1730


 87.4185, 115.7085,
157.0847

 8.9682, 15.1075,
25.0446


 112.7878,
146.6172, 195.8508

 4.7774, 8.8948,
15.8910

 142.6440,
182.5915, 240.5213

 2.1506, 4.6727,
9.2935

 177.3524,
224.0158, 291.5150

 0.7165, 2.0565,
4.8337

217.2785,

 0.0000, 0.6400,

271.2745, 349.2502

2.0930

262.7876,
324.7519, 414.1455

■ 0.0000, 0.0000,
0.6116

■ 0.0000, 0.0000,
0.0000

■ 34.5786, 49.5319,
72.0281

■ 34.5786, 49.5319,
72.0281

■ 34.5789, 49.5323,
72.0291

■ 35.0950, 50.0876,
72.1091

■ 35.9678, 50.8275,
72.2059

■ 37.3162, 51.8141,
72.3253

■ 39.2058, 53.0811,
72.4702

■ 41.6918, 54.6570,
72.6434

■ 44.8225, 56.5667,
72.8470

■ 48.6413, 58.8327,
73.0831

■ 53.1880, 61.4754,
73.3535

■ 58.4992, 64.5137,
73.6600

Harmonies

Analogous

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



33.7626, 49.5319, 48.5402



34.5786, 49.5319, 72.0281



38.5559, 49.5319, 95.5125

Triad

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



34.5786, 49.5319, 72.0281



59.9582, 49.5319, 84.4010



49.0547, 49.5319, 21.6553

Complementary

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



34.5786, 49.5319, 72.0281



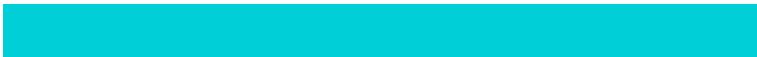
28.1125, 14.6223, 1.3424

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.



56.7728, 49.5319, 26.6037



34.5786, 49.5319, 72.0281



63.5030, 49.5319, 59.7086

Square

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



34.5786, 49.5319, 72.0281



53.0334, 49.5319, 103.9185



62.2775, 49.5319, 39.1528



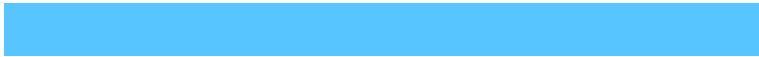
41.5871, 49.5319, 23.2688

Rectangle

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



34.5786, 49.5319, 72.0281



42.7277, 49.5319, 105.9129



62.2775, 49.5319, 39.1528



51.7152, 49.5319, 22.5457

Sweetspot

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



34.5801, 49.5337, 72.0293



71.3836, 86.4613, 107.5341



24.3411, 48.6178, 8.3087



14.7427, 18.1899, 22.9839



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.



34.5801, 49.5337, 72.0293



50.8571, 72.8343, 105.9857



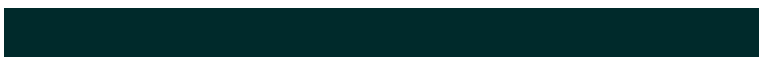
16.8589, 14.0913, 66.1222



12.7507, 14.0249, 15.9726



20.7001, 29.6620, 43.0875



1.2612, 1.8143, 2.6030

Inverse Universe

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



39.2882, 18.9537, 60.6209



57.7995, 27.8838, 89.1313



34.1210, 26.6393, 3.3452



12.9321, 12.6244, 15.5829



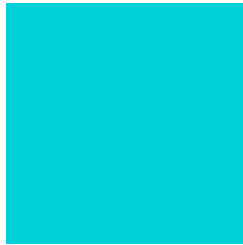
23.5073, 11.3392, 36.3052



1.4242, 0.6865, 2.2233

Previews

White Background



This preview shows how the XYZ color 34.5786, 49.5319, 72.0281 looks on a white background.

Color Contrast Check

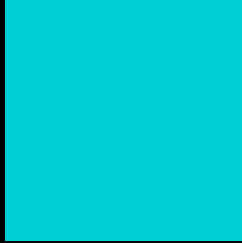
Large Text (above 18pt) WCAG AA × Fail

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 34.5786, 49.5319, 72.0281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

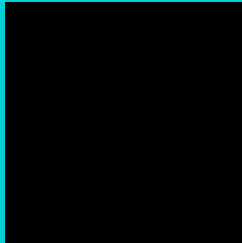
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

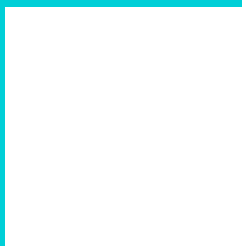
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.5786, 49.5319, 72.0281

Background



This preview shows how black text looks on a background with the XYZ color 34.5786, 49.5319, 72.0281.

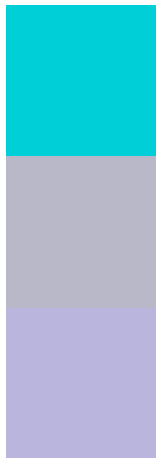


This preview shows how white text looks on a background with the XYZ color 34.5786, 49.5319,

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

34.5786, 49.5319, 72.0281

Protanopia

47.3330, 48.6415, 61.5376

Deuteranopia

49.8247, 48.7073, 75.1820



Tritanopia

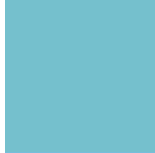
35.8695, 49.7172, 77.5179

Trichromacy



Original Color

34.5786, 49.5319, 72.0281



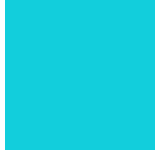
Protanomaly

37.2052, 45.8890, 64.6541



Deuteranomaly

38.6709, 45.7929, 73.8186



Tritanomaly

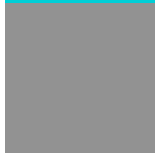
35.2390, 49.4385, 75.3954

Monochromacy



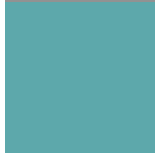
Original Color

34.5786, 49.5319, 72.0281



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

25.8675, 33.2727, 43.5870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5786, 49.5319, 72.0281 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(0, 207, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 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(0, 207, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 215) }
```

Border

The CSS property to change the border of an element to XYZ 34.5786, 49.5319, 72.0281 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(0, 207, 215) }
```


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

```
.border{ border-color:rgb(0, 207, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 207, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5786, 49.5319, 72.0281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 215) }
```

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

```
.background{ background-color: rgb(0, 207,  
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](#).

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