

Converting Colors

XYZ(36.3788, 75.3307, 82.4641)

Have a look what the booklet for
XYZ(36.3788, 75.3307, 82.4641)
contains.

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Color

**XYZ(49.0793, 76.8477,
82.0584)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFDF
RGB	0, 255, 223
RGB Percent	0%, 100%, 87%
CMY	0.9998, 0.0000, 0.1255
CMYK	1.00, 0.00, 0.13, 0.00
HSL	172°, 100%, 50%
HSV	172°, 100%, 100%
XYZ	49.0793, 76.8477, 82.0584
YIQ	175.1070, -141.7080, -64.0120

Conversions

Conversions Part 2

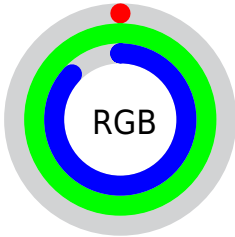
Format	Color
RYB	0, 136, 255
Decimal	65503
CIELab	90.25, -56.85, 1.19
CIELCh	90, 56.858, 178.804
Yxy	76.8477, 0.2360, 0.3695
Android (android.graphics.Color)	4278255583 (0xFF00FFDF)
YUV	175.1070, 23.6112, -153.5688
Hunter-Lab	87.6628, -53.4741, 5.8645

Details

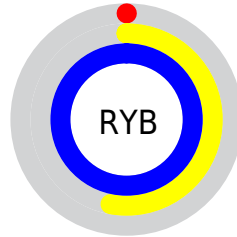
The XYZ color **49.0793, 76.8477, 82.0584** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **41.5021, 21.3659, 3.3072**, and the grayscale version is **40.7459, 42.8678, 46.6831**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **27.0341, 42.7597, 43.8744** is the 20% darker color. If you saturate the color by 10%, you get **49.0786, 76.8474, 82.0546**, and if you desaturate by 10%, it is **49.9301, 77.2360, 84.3737**.

Distribution



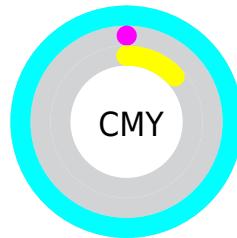
- Red (0%)
- Green (100%)
- Blue (87%)



- Red (0%)
- Yellow (53%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0793, 76.8477, 82.0584 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 49.0793, 76.8477, 82.0584 by changing the saturation by 10% instead.


 49.0793, 76.8477,
82.0584


 49.0793, 76.8477,
82.0584


373.5662,
484.2446, 521.7316

 34.8972, 57.1279,
60.8776


 88.0092, 128.9245,
138.0933


 23.7498, 41.1079,
43.6965


 113.4878,
162.0502, 173.7845


 15.2719, 28.4034,
30.0965


 143.4625,
200.4134, 215.1495

 9.0980, 18.6300,
19.6592

 178.2987,
244.3984, 262.6070

 4.8628, 11.4032,
11.9659

 218.3619,
294.3896, 316.5754

 2.2009, 6.3387,
6.5982

264.0173,

 0.7432, 3.0521,

350.7715, 377.4732

3.1375

315.6302,
413.9283, 445.7191

■ 0.0000, 1.1590,
1.1653

■ 0.0000, 0.0278,
0.0000

■ 49.0793, 76.8477,
82.0584

■ 49.0793, 76.8477,
82.0584

■ 49.0786, 76.8474,
82.0546

■ 49.9301, 77.2360,
84.3737

■ 51.3274, 77.9050,
86.7561

■ 53.4365, 78.9400,
89.2148

■ 56.3580, 80.3930,
91.7548

■ 60.1765, 82.3073,
94.3802

■ 64.9658, 84.7211,
97.0948

■ 70.7920, 87.6686,
99.9019

■ 77.7154, 91.1807,
102.8045

■ 85.7917, 95.2861,
105.8054

Harmonies

Analogous

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



52.1546, 76.8477, 49.4587



49.0793, 76.8477, 82.0584



51.7023, 76.8477, 127.1064

Triad

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



49.0793, 76.8477, 82.0584



86.9486, 76.8477, 172.1969



88.0579, 76.8477, 33.1569

Complementary

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



49.0793, 76.8477, 82.0584



41.5021, 21.3659, 3.3072

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.



99.5673, 76.8477, 51.4692



49.0793, 76.8477, 82.0584



98.8708, 76.8477, 130.8649

Square

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



49.0793, 76.8477, 82.0584



72.4751, 76.8477, 188.2397



103.7555, 76.8477, 85.3108



73.6107, 76.8477, 27.4509

Rectangle

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



49.0793, 76.8477, 82.0584



56.5489, 76.8477, 157.0567



103.7555, 76.8477, 85.3108



92.4643, 76.8477, 37.6747

Sweetspot

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



49.0803, 76.8482, 82.0598



70.7774, 87.6612, 99.8954



36.4217, 71.8611, 11.9526



14.5958, 18.4829, 21.1260



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

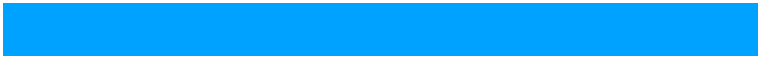
The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.0803, 76.8482, 82.0598



49.0786, 76.8474, 82.0546



30.8869, 32.8928, 99.3288



18.4509, 20.4399, 22.6776



25.6832, 40.1699, 43.0785



2.5270, 3.9217, 4.3330

Inverse Universe

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



41.5021, 21.3659, 3.3072



41.5008, 21.3643, 3.3033



45.2020, 29.1834, 3.2522



18.1021, 18.0242, 19.1549



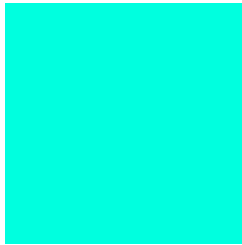
21.7137, 11.1748, 1.8769



2.1420, 1.0992, 0.3290

Previews

White Background



This preview shows how the XYZ color 49.0793, 76.8477, 82.0584 looks on a white background.

Color Contrast Check

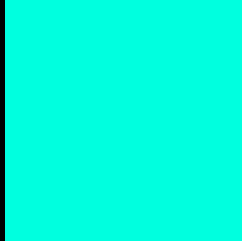
Large Text (above 18pt) WCAG AA × Fail

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 49.0793, 76.8477, 82.0584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

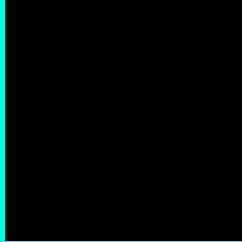
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

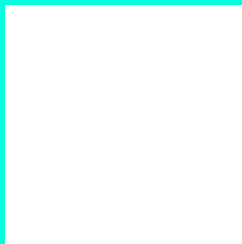
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0793, 76.8477, 82.0584

Background



This preview shows how black text looks on a background with the XYZ color 49.0793, 76.8477, 82.0584.



This preview shows how white text looks on a background with the XYZ color 49.0793, 76.8477,

Color Blindness Simulation

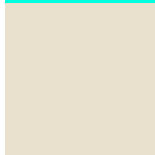
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



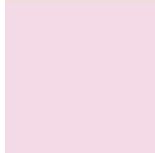
Original Color

49.0793, 76.8477, 82.0584



Protanopia

71.4005, 75.0912, 69.1234



Deuteranopia

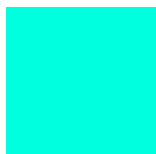
76.8034, 75.1454, 86.0578



Tritanopia

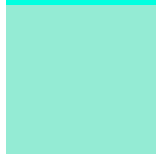
61.3594, 76.2416, 106.0899

Trichromacy



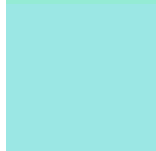
Original Color

49.0793, 76.8477, 82.0584



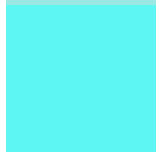
Protanomaly

53.8047, 70.4660, 73.0529



Deuteranomaly

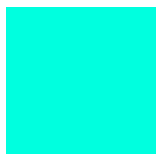
56.0971, 69.7218, 83.8998



Tritanomaly

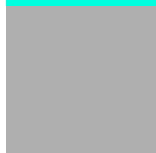
53.6476, 74.7098, 96.3869

Monochromacy



Original Color

49.0793, 76.8477, 82.0584



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

37.6628, 50.3710, 57.6067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0793, 76.8477, 82.0584 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, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 223)  
}
```

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, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 223) }
```

Border

The CSS property to change the border of an element to XYZ 49.0793, 76.8477, 82.0584 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, 255, 223) }
```


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

```
.border{ border-color:rgb(0, 255, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0793, 76.8477, 82.0584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 223) }
```

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

```
.background{ background-color: rgb(0, 255,  
223) }
```

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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