

Converting Colors

XYZ(49.0593, 76.8806, 80.1066)

Have a look what the booklet for
XYZ(49.0593, 76.8806, 80.1066)
contains.

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Color

**XYZ(49.0316, 76.8695,
79.9632)**

Conversions

Conversions Part 1

Format	Color
Hex	17FFDC
RGB	23, 255, 220
RGB Percent	9%, 100%, 86%
CMY	0.9097, 0.0000, 0.1372
CMYK	0.91, 0.00, 0.14, 0.00
HSL	171°, 100%, 55%
HSV	171°, 91%, 100%
XYZ	49.0316, 76.8695, 79.9632
YIQ	181.6420, -127.0370, -60.0690

Conversions

Conversions Part 2

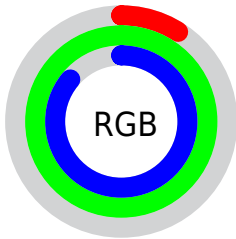
Format	Color
R _Y B	23, 148, 255
Decimal	1572828
CIE Lab	90.26, -57.02, 2.77
CIE LCh	90, 57.086, 177.222
Yxy	76.8695, 0.2382, 0.3734
Android (android.graphics.Color)	4279762908 (0xFF17FFDC)
YUV	181.6420, 18.9105, -139.1290
Hunter-Lab	87.6753, -53.6072, 7.2979

Details

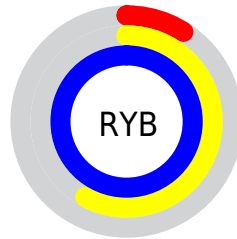
The XYZ color **49.0316, 76.8695, 79.9632** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **42.3113, 22.1796, 6.0575**, and the grayscale version is **44.2229, 46.5259, 50.6668**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **26.7578, 42.6491, 42.4191** is the 20% darker color. If you saturate the color by 10%, you get **48.2230, 76.5052, 77.5494**, and if you desaturate by 10%, it is **50.4381, 77.5349, 82.7212**.

Distribution



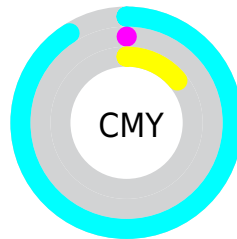
- Red (9%)
- Green (100%)
- Blue (86%)



- Red (9%)
- Yellow (58%)
- Blue (100%)



- Cyan (91%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (91%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0316, 76.8695, 79.9632 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 49.0316, 76.8695, 79.9632 by changing the saturation by 10% instead.


 49.0316, 76.8695,
79.9632


 49.0316, 76.8695,
79.9632

373.3816,
484.3190, 514.5123

 34.8592, 57.1458,
59.1621


 87.9388, 128.9553,
135.1249


 23.7204, 41.1223,
42.3227


 113.4043,
162.0861, 170.3226

 15.2500, 28.4147,
29.0266


 143.3649,
200.4547, 211.1562

 9.0825, 18.6385,
18.8552

 178.1860,
244.4455, 258.0443

 4.8526, 11.4093,
11.3900

218.2328,
294.4430, 311.4054

 2.1949, 6.3429,
6.2123

263.8708,

 0.7400, 3.0547,

350.8315, 371.6581

2.9037

315.4653,
413.9953, 439.2209

0.0000, 1.1603,
1.0457

0.0000, 0.0290,
0.0000

49.0316, 76.8695,
79.9632

49.0316, 76.8695,
79.9632

48.2230, 76.5052,
77.5494

50.4381, 77.5349,
82.7212

52.5476, 78.5615,
85.5724

55.4642, 80.0028,
88.5233

59.2734, 81.9028,
91.5785

■ 64.0502, 84.3003,
94.7417

■ 69.8613, 87.2296,
98.0165

■ 76.7676, 90.7220,
101.4061

■ 84.8252, 94.8066,
104.9136

■ 94.0863, 99.5101,
108.5417

Harmonies

Analogous

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



52.4162, 76.8695, 48.0844



49.0316, 76.8695, 79.9632



51.3623, 76.8695, 124.8311

Triad

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



49.0316, 76.8695, 79.9632



86.2849, 76.8695, 174.3279



88.8723, 76.8695, 33.6451

Complementary

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



49.0316, 76.8695, 79.9632



42.3113, 22.1796, 6.0575

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.



100.1468, 76.8695, 52.7671



49.0316, 76.8695, 79.9632



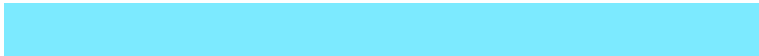
98.5220, 76.8695, 133.6016

Square

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



49.0316, 76.8695, 79.9632



71.7462, 76.8695, 188.6885



103.8865, 76.8695, 87.5469



74.3941, 76.8695, 27.3494

Rectangle

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



49.0316, 76.8695, 79.9632



56.0348, 76.8695, 155.2593



103.8865, 76.8695, 87.5469



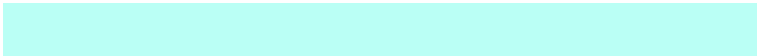
93.2306, 76.8695, 38.4038

Sweetspot

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



49.0325, 76.8699, 79.9646



72.4685, 88.5468, 99.3481



37.8821, 72.5961, 12.8279



15.0290, 18.7090, 21.0192



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.



49.0325, 76.8699, 79.9646



48.2230, 76.5052, 77.5494



34.2600, 39.1145, 100.3519



18.4301, 20.4316, 22.5680



25.2422, 39.9935, 40.7563



2.4883, 3.9062, 4.1291

Inverse Universe

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



42.3113, 22.1796, 6.0575



41.5975, 21.4030, 3.8127



45.9859, 30.5040, 4.2762



18.1210, 18.0317, 19.2546



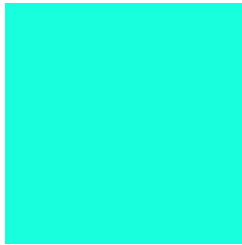
21.7688, 11.1968, 2.1668



2.1508, 1.1027, 0.3757

Previews

White Background



This preview shows how the XYZ color 49.0316, 76.8695, 79.9632 looks on a white background.

Color Contrast Check

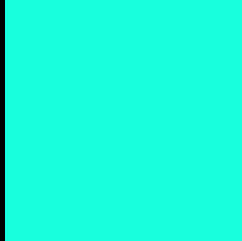
Large Text (above 18pt) WCAG AA × Fail

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 49.0316, 76.8695, 79.9632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

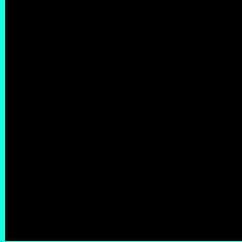
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0316, 76.8695, 79.9632

Background



This preview shows how black text looks on a background with the XYZ color 49.0316, 76.8695, 79.9632.

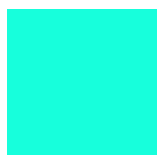


This preview shows how white text looks on a background with the XYZ color 49.0316, 76.8695,

Color Blindness Simulation

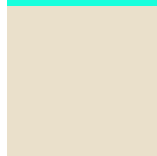
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



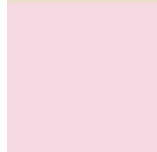
Original Color

49.0316, 76.8695, 79.9632



Protanopia

71.3668, 75.1155, 67.2372



Deuteranopia

76.7312, 75.1567, 83.8613



Tritanopia

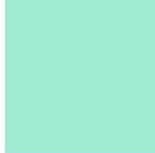
61.3594, 76.2416, 106.0899

Trichromacy



Original Color

49.0316, 76.8695, 79.9632



Protanomaly

55.1216, 71.1882, 71.1571



Deuteranomaly

57.4764, 70.4806, 81.8090



Tritanomaly

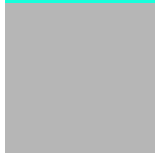
54.3496, 75.0890, 95.6335

Monochromacy



Original Color

49.0316, 76.8695, 79.9632



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

41.0764, 53.8715, 60.4578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0316, 76.8695, 79.9632 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(23, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(23, 255, 220)  
}
```

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(23, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 49.0316, 76.8695, 79.9632 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(23, 255, 220) }
```


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

```
.border{ border-color:rgb(23, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(23, 255,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0316, 76.8695, 79.9632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 255, 220) }
```

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

```
.background{ background-color: rgb(23, 255,  
220) }
```

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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