

Converting Colors

XYZ(49.8934, 77.3311, 79.2199)

Have a look what the booklet for
XYZ(49.8934, 77.3311, 79.2199)
contains.

XYZ(49.9114, 77.3383, 79.3150)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.9114, 77.3383,
79.3150)**

Conversions

Conversions Part 1	
Format	Color
Hex	33FFDB
RGB	51, 255, 219
RGB Percent	20%, 100%, 86%
CMY	0.8000, 0.0000, 0.1412
CMYK	0.80, 0.00, 0.14, 0.00
HSL	169°, 100%, 60%
HSV	169°, 80%, 100%
XYZ	49.9114, 77.3383, 79.3150
YIQ	189.9000, -110.0280, -54.4440

Conversions

Conversions Part 2

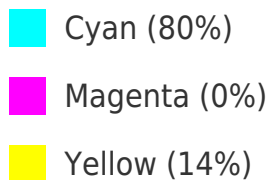
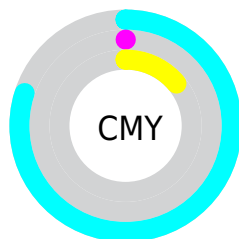
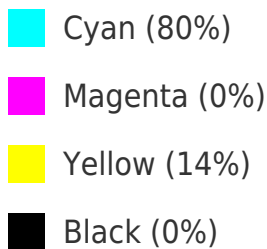
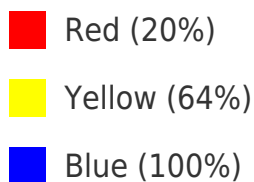
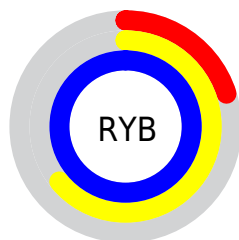
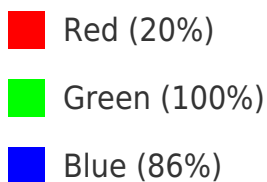
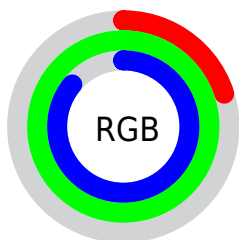
Format	Color
RYB	51, 163, 255
Decimal	3407835
CIELab	90.48, -55.56, 3.63
CIELCh	90, 55.683, 176.265
Yxy	77.3383, 0.2416, 0.3744
Android (android.graphics.Color)	4281597915 (0xFF33FFDB)
YUV	189.9000, 14.3463, -121.8153
Hunter-Lab	87.9422, -52.5916, 8.0859

Details

The XYZ color **49.9114, 77.3383, 79.3150** 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 **44.1451, 24.3170, 11.3860**, and the grayscale version is **48.8531, 51.3973, 55.9716**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **26.6671, 42.6128, 41.9416** is the 20% darker color. If you saturate the color by 10%, you get **48.3755, 76.6140, 76.1933**, and if you desaturate by 10%, it is **52.1684, 78.4324, 82.5568**.


Distribution




Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9114, 77.3383, 79.3150 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 49.9114, 77.3383, 79.3150 by changing the saturation by 10% instead.


 49.9114, 77.3383,
79.3150

 49.9114, 77.3383,
79.3150


376.7771,
485.9167, 512.2671


 35.5605, 57.5306,
58.6320


 89.2362, 129.6169,
134.2049


 24.2635, 41.4314,
41.8989


 114.9408,
162.8566, 169.2489

 15.6550, 28.6563,
28.6971


 145.1607,
201.3424, 209.9169

 9.3696, 18.8210,
18.6082

 180.2613,
245.4587, 256.6276

 5.0421, 11.5410,
11.2136

220.6078,
295.5898, 309.7994

 2.3070, 6.4320,
6.0947


266.5658,


 0.7982, 3.1095,


352.1203, 369.8509


2.8330

318.5004,
415.4345, 437.2006


 0.0000, 1.1892,
1.0100


 0.0000, 0.0528,
0.0000


 49.9114, 77.3383,
79.3150


 49.9114, 77.3383,
79.3150


 48.3755, 76.6140,
76.1933


 52.1684, 78.4324,
82.5568

 47.3933, 76.1733,
73.1790

 55.2448, 79.9471,
85.9199

 47.3928, 76.1731,
73.1776

 59.2258, 81.9262,
89.4102

 64.1856, 84.4081,
93.0318

70.1902, 87.4266,
96.7885

77.3001, 91.0131,
100.6836

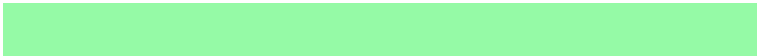
85.5710, 95.1961,
104.7205

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



53.4273, 77.3383, 48.4204



49.9114, 77.3383, 79.3150



52.0308, 77.3383, 122.8714

Triad

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



49.9114, 77.3383, 79.3150



85.9946, 77.3383, 173.3059



89.3897, 77.3383, 35.2080

Complementary

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



49.9114, 77.3383, 79.3150



44.1451, 24.3170, 11.3860

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.



100.2055, 77.3383, 54.6477



49.9114, 77.3383, 79.3150



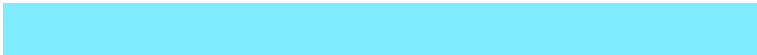
98.0781, 77.3383, 134.3319

Square

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



49.9114, 77.3383, 79.3150



71.7787, 77.3383, 186.1472



103.5686, 77.3383, 89.2988



75.2643, 77.3383, 28.5544

Rectangle

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



49.9114, 77.3383, 79.3150



56.5194, 77.3383, 152.5929



103.5686, 77.3383, 89.2988



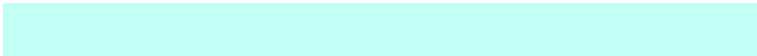
93.5988, 77.3383, 40.0908

Sweetspot

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



49.9123, 77.3387, 79.3164



74.3164, 89.5067, 99.1068



40.4213, 73.8539, 15.2582



15.3715, 18.8882, 20.9167



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.



49.9123, 77.3387, 79.3164



47.7461, 76.3292, 74.3715



37.9169, 44.9263, 101.2809



18.4092, 20.4232, 22.4577



24.8139, 39.8222, 38.5011



2.4505, 3.8911, 3.9301

Inverse Universe

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



44.1451, 24.3170, 11.3860



42.0026, 21.7422, 5.3995



48.0382, 33.8998, 7.1448



18.1402, 18.0394, 19.3555



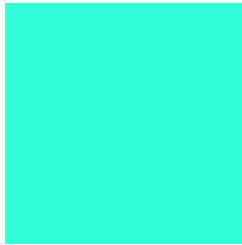
21.8339, 11.2229, 2.5100



2.1600, 1.1064, 0.4240

Previews

White Background



This preview shows how the XYZ color 49.9114, 77.3383, 79.3150 looks on a white background.

Color Contrast Check

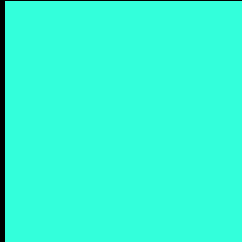
Large Text (above 18pt) WCAG AA × Fail

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 49.9114, 77.3383, 79.3150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

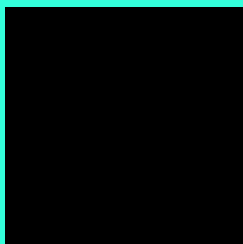
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

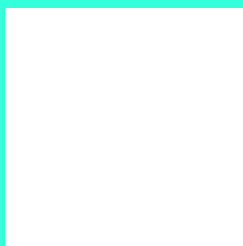
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9114, 77.3383, 79.3150

Background



This preview shows how black text looks on a background with the XYZ color 49.9114, 77.3383, 79.3150.

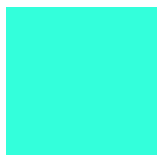


This preview shows how white text looks on a background with the XYZ color 49.9114, 77.3383,

Color Blindness Simulation

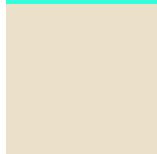
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



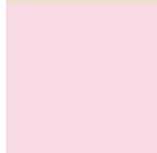
Original Color

49.9114, 77.3383, 79.3150



Protanopia

71.9657, 75.8244, 67.3425



Deuteranopia

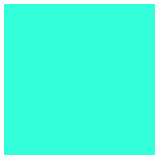
77.2943, 75.4630, 83.1650



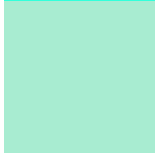
Tritanopia

62.0830, 76.6146, 106.1237

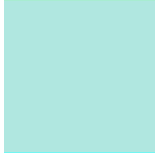
Trichromacy



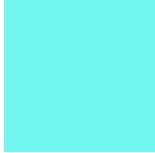
Original Color
49.9114, 77.3383, 79.3150



Protanomaly
57.6525, 72.9192, 71.3578

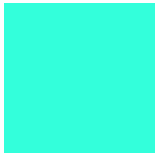


Deuteranomaly
59.9350, 71.7638, 81.2139

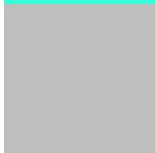


Tritanomaly
55.9222, 75.8997, 95.7071

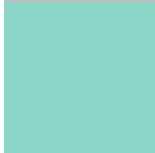
Monochromacy



Original Color
49.9114, 77.3383, 79.3150



Achromatopsia
48.9429, 51.4918, 56.0745



Achromatomaly
45.2366, 57.7991, 64.0305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9114, 77.3383, 79.3150 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(51, 255, 219) looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 219)  
}
```


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(51, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 219) }
```

Border

The CSS property to change the border of an element to XYZ 49.9114, 77.3383, 79.3150 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(51, 255, 219) }
```


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

```
.border{ border-color:rgb(51, 255, 219) }
```

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

Here you see how a box with a 4 pixel rgb(51, 255, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
219) }
```


Background

The CSS property to change the background color of an element to XYZ 49.9114, 77.3383, 79.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 219) }
```

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

```
.background{ background-color: rgb(51, 255,  
219) }
```

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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