

Converting Colors

XYZ(49.7245, 77.1269, 83.9918)

Have a look what the booklet for
XYZ(49.7245, 77.1269, 83.9918)
contains.

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Color

**XYZ(49.7760, 77.1597,
84.2214)**

Conversions

Conversions Part 1

Format	Color
Hex	14FFE2
RGB	20, 255, 226
RGB Percent	8%, 100%, 89%
CMY	0.9214, 0.0000, 0.1137
CMYK	0.92, 0.00, 0.11, 0.00
HSL	173°, 100%, 54%
HSV	173°, 92%, 100%
XYZ	49.7760, 77.1597, 84.2214
YIQ	181.4290, -130.7510, -58.8390

Conversions

Conversions Part 2

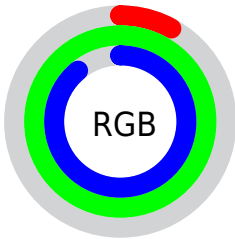
Format	Color
RYB	20, 145, 255
Decimal	1376226
CIELab	90.40, -55.58, -0.15
CIELCh	90, 55.576, 180.156
Yxy	77.1597, 0.2357, 0.3654
Android (android.graphics.Color)	4279566306 (0xFF14FFE2)
YUV	181.4290, 21.9735, -141.5732
Hunter-Lab	87.8406, -52.5717, 4.6413

Details

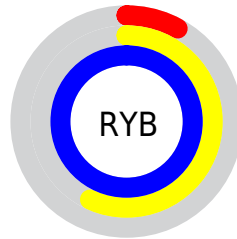
The XYZ color **49.7760, 77.1597, 84.2214** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **42.0460, 21.9837, 4.9369**, and the grayscale version is **44.0945, 46.3908, 50.5196**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **27.3169, 42.8728, 45.3636** is the 20% darker color. If you saturate the color by 10%, you get **49.1507, 76.8763, 82.4346**, and if you desaturate by 10%, it is **51.0297, 77.7556, 86.5567**.

Distribution



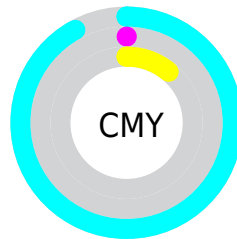
- Red (8%)
- Green (100%)
- Blue (89%)



- Red (8%)
- Yellow (57%)
- Blue (100%)



- Cyan (92%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (92%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7760, 77.1597, 84.2214 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 49.7760, 77.1597, 84.2214 by changing the saturation by 10% instead.


 49.7760, 77.1597,
84.2214


 49.7760, 77.1597,
84.2214


376.2558,
485.3084, 529.1254

 35.4525, 57.3840,
62.6518


 89.0367, 129.3649,
141.1493

 24.1798, 41.3136,
45.1204


 114.7046,
162.5631, 177.3447

 15.5925, 28.5642,
31.2086


 144.8848,
201.0043, 219.2525

 9.3253, 18.7514,
20.4980

 179.9425,
245.0728, 267.2911

 5.0128, 11.4908,
12.5699

220.2430,
295.1531, 321.8792

 2.2896, 6.3980,
7.0058

266.1519,

 0.7893, 3.0885,

351.6295, 383.4352

3.3872

318.0344,
414.8865, 452.3778

■ 0.0000, 1.1781,
1.2956

■ 0.0000, 0.0437,
0.0582

■ 49.7760, 77.1597,
84.2214

■ 49.7760, 77.1597,
84.2214

■ 49.1507, 76.8763,
82.4346

■ 51.0297, 77.7556,
86.5567

■ 52.9689, 78.7041,
88.9644

■ 55.7002, 80.0599,
91.4509

■ 59.3110, 81.8682,
94.0206

63.8770, 84.1680,
96.6772

69.4658, 86.9941,
99.4242

76.1390, 90.3783,
102.2645

83.9531, 94.3497,
105.2012

92.9607, 98.9354,
108.2367

Harmonies

Analogous

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



52.5571, 77.1597, 51.4550



49.7760, 77.1597, 84.2214



52.6151, 77.1597, 128.5076

Triad

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



49.7760, 77.1597, 84.2214



87.5639, 77.1597, 168.8461



87.4228, 77.1597, 33.6612

Complementary

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



49.7760, 77.1597, 84.2214



42.0460, 21.9837, 4.9369

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.



98.8924, 77.1597, 51.1963



49.7760, 77.1597, 84.2214



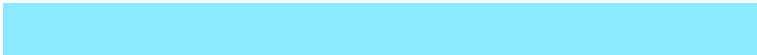
98.9808, 77.1597, 128.0312

Square

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



49.7760, 77.1597, 84.2214



73.4104, 77.1597, 185.8440



103.3622, 77.1597, 83.8065



73.2656, 77.1597, 28.4521

Rectangle

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



49.7760, 77.1597, 84.2214



57.5471, 77.1597, 157.3372



103.3622, 77.1597, 83.8065



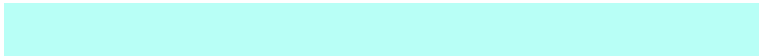
91.7816, 77.1597, 37.9658

Sweetspot

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



49.7770, 77.1602, 84.2228



72.0949, 88.3264, 100.5891



37.2704, 72.2840, 12.6515



14.8459, 18.6088, 21.2705



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.



49.7770, 77.1602, 84.2228



49.1507, 76.8763, 82.4346



32.4988, 35.6883, 99.7834



18.4527, 20.4406, 22.6867



25.7204, 40.1847, 43.2743



2.5303, 3.9230, 4.3502

Inverse Universe

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



42.0460, 21.9837, 4.9369



41.4936, 21.3614, 3.2653



46.5403, 31.6581, 4.3213



18.1006, 18.0235, 19.1467



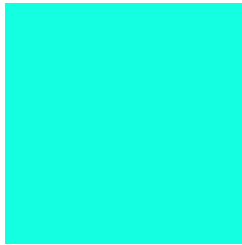
21.7096, 11.1731, 1.8551



2.1412, 1.0989, 0.3252

Previews

White Background



This preview shows how the XYZ color 49.7760, 77.1597, 84.2214 looks on a white background.

Color Contrast Check

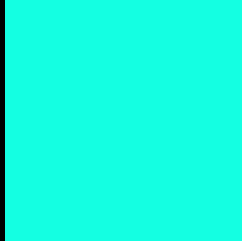
Large Text (above 18pt) WCAG AA × Fail

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 49.7760, 77.1597, 84.2214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

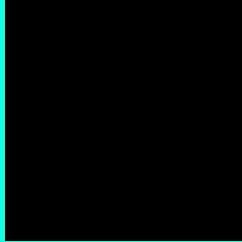
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

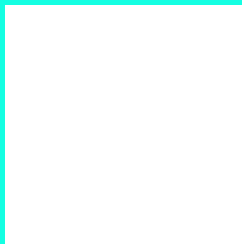
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7760, 77.1597, 84.2214

Background



This preview shows how black text looks on a background with the XYZ color 49.7760, 77.1597, 84.2214.



This preview shows how white text looks on a background with the XYZ color 49.7760, 77.1597,

Color Blindness Simulation

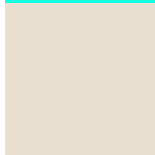
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



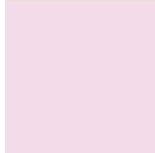
Original Color

49.7760, 77.1597, 84.2214



Protanopia

71.7686, 75.2384, 71.0615



Deuteranopia

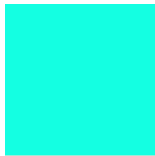
77.1449, 75.6582, 88.3794



Tritanopia

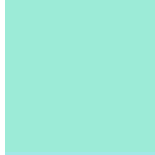
61.5379, 76.3336, 106.0982

Trichromacy



Original Color

49.7760, 77.1597, 84.2214



Protanomaly

55.6844, 71.3909, 75.1349



Deuteranomaly

58.1807, 71.1641, 86.2709



Tritanomaly

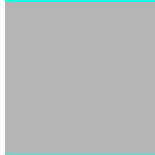
54.6517, 75.2099, 97.2245

Monochromacy



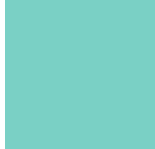
Original Color

49.7760, 77.1597, 84.2214



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

40.6600, 53.2805, 60.9645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7760, 77.1597, 84.2214 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(20, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(20, 255, 226)  
}
```

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(20, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 255, 226) }
```

Border

The CSS property to change the border of an element to XYZ 49.7760, 77.1597, 84.2214 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(20, 255, 226) }
```


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

```
.border{ border-color:rgb(20, 255, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(20, 255,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7760, 77.1597, 84.2214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 255, 226) }
```

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

```
.background{ background-color: rgb(20, 255,  
226) }
```

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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