

Converting Colors

XYZ(49.7145, 75.8417, 78.3572)

Have a look what the booklet for
XYZ(49.7145, 75.8417, 78.3572)
contains.

XYZ(49.7121, 75.8410, 78.3483)	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(49.7121, 75.8410,
78.3483)**

Conversions

Conversions Part 1

Format	Color
Hex	42FCDA
RGB	66, 252, 218
RGB Percent	26%, 99%, 85%
CMY	0.7411, 0.0117, 0.1451
CMYK	0.74, 0.00, 0.13, 0.01
HSL	169°, 97%, 62%
HSV	169°, 74%, 99%
XYZ	49.7121, 75.8410, 78.3483
YIQ	192.5100, -99.9420, -50.0060

Conversions

Conversions Part 2

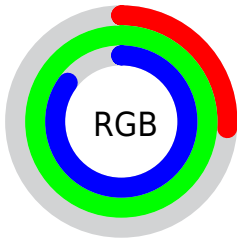
Format	Color
RYB	66, 168, 252
Decimal	4390106
CIELab	89.79, -53.12, 3.17
CIELCh	90, 53.215, 176.586
Yxy	75.8410, 0.2438, 0.3719
Android (android.graphics.Color)	4282580186 (0xFF42FCDA)
YUV	192.5100, 12.5666, -110.9493
Hunter-Lab	87.0867, -50.5079, 7.6200

Details

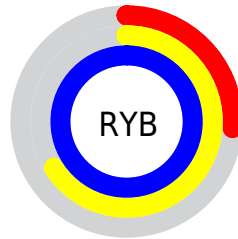
The XYZ color **49.7121, 75.8410, 78.3483** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **44.3960, 25.5142, 14.6446**, and the grayscale version is **50.3745, 52.9979, 57.7148**.

A 20% lighter version of the original color is **64.4575, 84.2290, 107.4683**, and **25.9026, 41.2279, 41.2429** is the 20% darker color. If you saturate the color by 10%, you get **47.7790, 74.9150, 75.1557**, and if you desaturate by 10%, it is **52.4134, 77.1648, 81.6677**.

Distribution



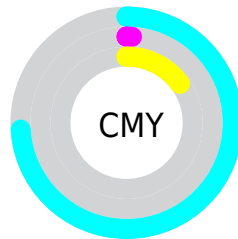
- Red (26%)
- Green (99%)
- Blue (85%)



- Red (26%)
- Yellow (66%)
- Blue (99%)



- Cyan (74%)
- Magenta (0%)
- Yellow (13%)
- Black (1%)





- Cyan (74%)
- Magenta (1%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7121, 75.8410, 78.3483 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 49.7121, 75.8410, 78.3483 by changing the saturation by 10% instead.


 49.7121, 75.8410,
78.3483


 49.7121, 75.8410,
78.3483


376.0096,
480.8032, 508.9081


 35.4016, 56.3021,
57.8420


 88.9425, 127.5021,
132.8313


 24.1403, 40.4452,
41.2678


 114.5931,
160.3932, 167.6451

 15.5630, 27.8858,
28.2071


 144.7545,
198.5038, 208.0652

 9.3044, 18.2396,
18.2414

 179.7919,
242.2182, 254.5100

 4.9989, 11.1222,
10.9522

220.0708,
291.9210, 307.3982

 2.2814, 6.1491,
5.9210

265.9565,

 0.7851, 2.9359,

347.9965, 367.1483

2.7291

317.8143,
410.8291, 434.1787

■ 0.0000, 1.0984,
0.9580

■ 0.0000, 0.0000,
0.0000

■ 49.7121, 75.8410,
78.3483

■ 49.7121, 75.8410,
78.3483

■ 47.7790, 74.9150,
75.1557

■ 52.4134, 77.1648,
81.6677


■ 46.5011, 74.3230,
72.0790


■ 55.9639, 78.9225,
85.1133

■ 45.9442, 74.0763,
70.2273

■ 60.4408, 81.1559,
88.6911


■ 65.9112, 83.8995,
92.4050

 72.4357, 87.1844,
96.2584

 80.0702, 91.0396,
100.2546

 88.8663, 95.4916,
104.3966

 94.0787, 98.0941,
108.4632

 94.1016, 98.1033,
108.5839

Harmonies

Analogous

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



53.0034, 75.8410, 48.8271



49.7121, 75.8410, 78.3483



51.7885, 75.8410, 119.3348

Triad

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



49.7121, 75.8410, 78.3483



83.9801, 75.8410, 165.5477



86.8952, 75.8410, 35.7451

Complementary

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



49.7121, 75.8410, 78.3483



44.3960, 25.5142, 14.6446

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.



97.0918, 75.8410, 54.2693



49.7121, 75.8410, 78.3483



95.2704, 75.8410, 129.1194

Square

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



49.7121, 75.8410, 78.3483



70.5922, 75.8410, 177.7850



100.3272, 75.8410, 86.9572



73.5979, 75.8410, 29.3997

Rectangle

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



49.7121, 75.8410, 78.3483



56.0933, 75.8410, 146.9978



100.3272, 75.8410, 86.9572



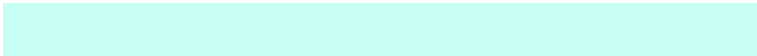
90.8584, 75.8410, 40.4145

Sweetspot

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



49.7143, 75.8439, 78.3501



75.7291, 90.2254, 99.6055



41.0630, 72.7323, 17.0304



15.7844, 19.0977, 21.0852



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.



49.7143, 75.8439, 78.3501



48.3154, 76.5976, 75.5294



38.9122, 46.3740, 98.9989



17.6217, 19.5509, 21.4743



23.9828, 38.6061, 36.8483



2.2554, 3.5893, 3.5929

Inverse Universe

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



44.3960, 25.5142, 14.6446



42.7474, 22.5293, 7.8140



48.4520, 35.7337, 9.4995



17.3742, 17.2770, 18.5602



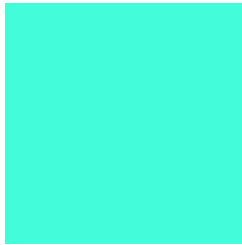
21.2079, 10.8989, 2.5371



1.9983, 1.0231, 0.4145

Previews

White Background



This preview shows how the XYZ color 49.7121, 75.8410, 78.3483 looks on a white background.

Color Contrast Check

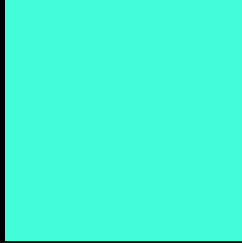
Large Text (above 18pt) WCAG AA × Fail

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 49.7121, 75.8410, 78.3483 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

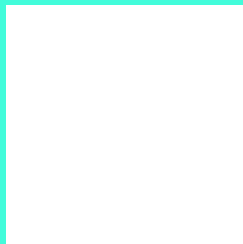
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7121, 75.8410, 78.3483

Background



This preview shows how black text looks on a background with the XYZ color 49.7121, 75.8410, 78.3483.

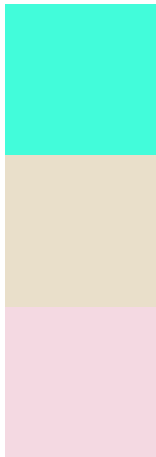


This preview shows how white text looks on a background with the XYZ color 49.7121, 75.8410,

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

49.7121, 75.8410, 78.3483

Protanopia

70.6526, 74.3633, 66.5069

Deuteranopia

75.8485, 74.3498, 82.3048



Tritanopia

60.3654, 75.2910, 105.9588

Trichromacy



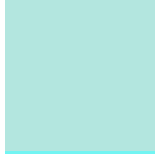
Original Color

49.7121, 75.8410, 78.3483



Protanomaly

57.8212, 72.1704, 70.5573



Deuteranomaly

60.2065, 71.5050, 80.4407



Tritanomaly

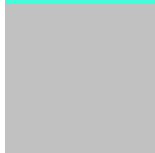
55.3171, 74.6896, 95.5054

Monochromacy



Original Color

49.7121, 75.8410, 78.3483



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

46.7399, 58.5604, 64.7170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7121, 75.8410, 78.3483 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(66, 252, 218)` looks like.

```
.text, #text, p{  
    color:rgb(66, 252, 218)  
}
```

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(66, 252, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 252, 218) }
```

Border

The CSS property to change the border of an element to XYZ 49.7121, 75.8410, 78.3483 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(66, 252, 218) }
```


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

```
.border{ border-color:rgb(66, 252, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 252, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(66, 252, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(66, 252, 218); box-shadow:4px 4px 4px 4px rgb(66, 252, 218) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7121, 75.8410, 78.3483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 252, 218) }
```

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

```
.background{ background-color: rgb(66, 252,  
218) }
```

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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