

Converting Colors

XYZ(49.0441, 73.8875, 79.8684)

Have a look what the booklet for
XYZ(49.0441, 73.8875, 79.8684)
contains.

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Color

**XYZ(49.1736, 74.1301,
80.1234)**

Conversions

Conversions Part 1

Format	Color
Hex	42F9DD
RGB	66, 249, 221
RGB Percent	26%, 98%, 87%
CMY	0.7411, 0.0235, 0.1333
CMYK	0.73, 0.00, 0.11, 0.02
HSL	171°, 94%, 62%
HSV	171°, 73%, 98%
XYZ	49.1736, 74.1301, 80.1234
YIQ	191.0910, -100.0800, -47.5040

Conversions

Conversions Part 2

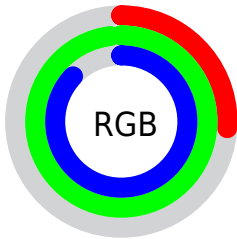
Format	Color
RYB	66, 165, 249
Decimal	4389341
CIELab	88.98, -51.13, 0.44
CIELCh	89, 51.128, 179.503
Yxy	74.1301, 0.2417, 0.3644
Android (android.graphics.Color)	4282579421 (0xFF42F9DD)
YUV	191.0910, 14.7451, -109.7048
Hunter-Lab	86.0988, -48.7263, 5.0940

Details

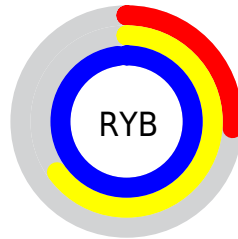
The XYZ color **49.1736, 74.1301, 80.1234** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **43.0380, 24.8464, 13.1200**, and the grayscale version is **49.5354, 52.1151, 56.7534**.

A 20% lighter version of the original color is **64.4575, 84.2290, 107.4683**, and **25.7326, 40.4524, 42.5282** is the 20% darker color. If you saturate the color by 10%, you get **47.3450, 73.2472, 77.4191**, and if you desaturate by 10%, it is **51.7474, 75.3994, 82.9260**.

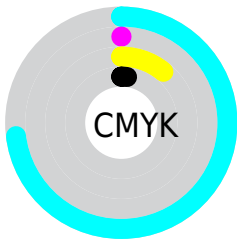
Distribution



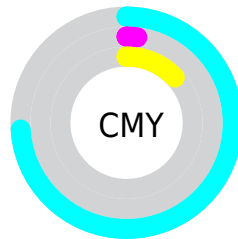
- Red (26%)
- Green (98%)
- Blue (87%)



- Red (26%)
- Yellow (65%)
- Blue (98%)



- Cyan (73%)
- Magenta (0%)
- Yellow (11%)
- Black (2%)





- Cyan (74%)
- Magenta (2%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1736, 74.1301, 80.1234 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 49.1736, 74.1301, 80.1234 by changing the saturation by 10% instead.


 49.1736, 74.1301,
80.1234


 49.1736, 74.1301,
80.1234


373.9310,
474.9223, 515.0663


 34.9723, 54.9005,
59.2931


 88.1484, 125.0802,
135.3522


 23.8080, 39.3221,
42.4276


 113.6526,
157.5696, 170.5878

 15.3152, 27.0104,
29.1082

 143.6552,
195.2476, 211.4622

 9.1286, 17.5810,
18.9164

 178.5215,
238.4987, 258.3941

 4.8830, 10.6496,
11.4337

218.6169,
287.7074, 311.8019

 2.2128, 5.8317,
6.2415

264.3067,

 0.7495, 2.7430,

343.2579, 372.1042

2.9213

315.9563,
405.5348, 439.7195

■ 0.0000, 0.9991,
1.0546

■ 0.0000, 0.0000,
0.0000

■ 49.1736, 74.1301,
80.1234

■ 49.1736, 74.1301,
80.1234

■ 47.3450, 73.2472,
77.4191

■ 51.7474, 75.3994,
82.9260


■ 46.1529, 72.6893,
74.8027


■ 55.1444, 77.0899,
85.8261


■ 45.6223, 72.4520,
73.1430


■ 59.4394, 79.2421,
88.8291


■ 64.6971, 81.8891,
91.9384

 70.9763, 85.0614,
95.1573

 78.3309, 88.7867,
98.4885

 86.8111, 93.0909,
101.9349

 92.6060, 96.0094,
105.3184

 93.1669, 96.2338,
108.2723

Harmonies

Analogous

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



51.8185, 74.1301, 50.7422



49.1736, 74.1301, 80.1234



51.6499, 74.1301, 119.3014

Triad

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



49.1736, 74.1301, 80.1234



82.8863, 74.1301, 156.0762



83.2867, 74.1301, 34.9605

Complementary

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



49.1736, 74.1301, 80.1234



43.0380, 24.8464, 13.1200

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.



93.3548, 74.1301, 51.4998



49.1736, 74.1301, 80.1234



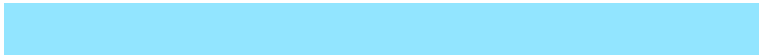
93.1052, 74.1301, 120.6394

Square

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



49.1736, 74.1301, 80.1234



70.2515, 74.1301, 170.2465



97.1395, 74.1301, 81.3097



70.6657, 74.1301, 29.8200

Rectangle

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



49.1736, 74.1301, 80.1234



56.0593, 74.1301, 144.6989



97.1395, 74.1301, 81.3097



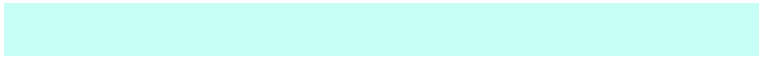
87.1335, 74.1301, 39.0752

Sweetspot

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



49.1757, 74.1330, 80.1252



75.9851, 90.3278, 100.9537



39.7382, 70.6618, 16.7005



15.8456, 19.1222, 21.4073



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.



49.1757, 74.1330, 80.1252



49.3192, 77.0076, 80.4352



37.3314, 43.9674, 96.1447



17.6450, 19.5603, 21.5969



24.4630, 38.7982, 39.3768



2.2956, 3.6053, 3.8043

Inverse Universe

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



43.0380, 24.8464, 13.1200



42.6719, 22.6001, 7.1048



47.6424, 35.7147, 9.5384



17.3529, 17.2685, 18.4479



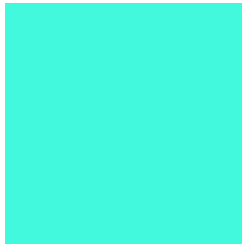
21.1321, 10.8686, 2.1384



1.9881, 1.0190, 0.3608

Previews

White Background



This preview shows how the XYZ color 49.1736, 74.1301, 80.1234 looks on a white background.

Color Contrast Check

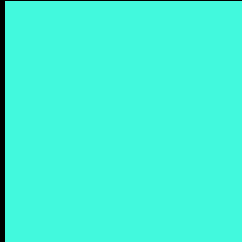
Large Text (above 18pt) WCAG AA × Fail

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 49.1736, 74.1301, 80.1234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

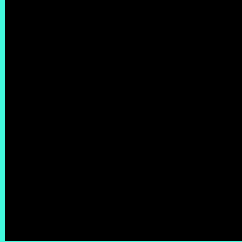
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

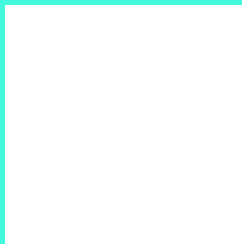
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1736, 74.1301, 80.1234

Background



This preview shows how black text looks on a background with the XYZ color 49.1736, 74.1301, 80.1234.

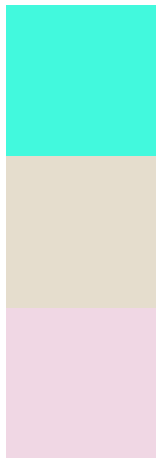


This preview shows how white text looks on a background with the XYZ color 49.1736, 74.1301, 80.1234.

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

49.1736, 74.1301, 80.1234

Protanopia

69.1890, 72.7787, 68.1586

Deuteranopia

74.2392, 72.7276, 83.5238



Tritanopia

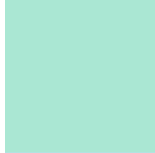
58.2766, 73.7783, 105.7769

Trichromacy



Original Color

49.1736, 74.1301, 80.1234



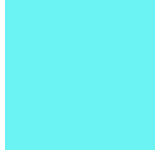
Protanomaly

56.9113, 70.4010, 72.2172



Deuteranomaly

59.1912, 69.7215, 81.5721



Tritanomaly

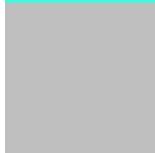
54.2917, 73.6980, 96.1577

Monochromacy



Original Color

49.1736, 74.1301, 80.1234



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

46.0582, 57.4622, 64.5409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1736, 74.1301, 80.1234 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, 249, 221)` looks like.

```
.text, #text, p{  
    color:rgb(66, 249, 221)  
}
```

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, 249, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 249, 221) }
```

Border

The CSS property to change the border of an element to XYZ 49.1736, 74.1301, 80.1234 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, 249, 221) }
```


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

```
.border{ border-color:rgb(66, 249, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 249, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 249, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 249, 221);  
box-shadow:4px 4px 4px 4px rgb(66, 249,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1736, 74.1301, 80.1234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 249, 221) }
```

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

```
.background{ background-color: rgb(66, 249,  
221) }
```

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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