

Converting Colors

XYZ(37.4504, 49.8069, 89.8445)

Have a look what the booklet for
XYZ(37.4504, 49.8069, 89.8445)
contains.

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Color

**XYZ(37.5595, 49.9539,
90.1006)**

Conversions

Conversions Part 1

Format	Color
Hex	00CDF0
RGB	0, 205, 240
RGB Percent	0%, 80%, 94%
CMY	0.9997, 0.1961, 0.0588
CMYK	1.00, 0.15, 0.00, 0.06
HSL	189°, 100%, 47%
HSV	189°, 100%, 94%
XYZ	37.5595, 49.9539, 90.1006
YIQ	147.6950, -133.4150, -32.5750

Conversions

Conversions Part 2

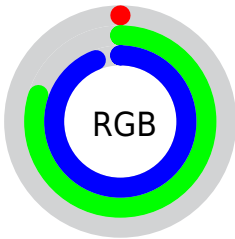
Format	Color
RYB	0, 111, 240
Decimal	52720
CIELab	76.04, -29.81, -29.08
CIELCh	76, 41.645, 224.281
Yxy	49.9539, 0.2115, 0.2812
Android (android.graphics.Color)	4278242800 (0xFF00CDF0)
YUV	147.6950, 45.5064, -129.5285
Hunter-Lab	70.6781, -28.8288, -26.1084

Details

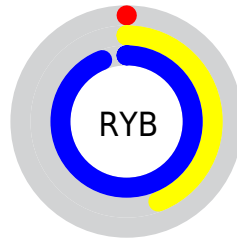
The XYZ color **37.5595, 49.9539, 90.1006** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **36.5390, 19.7316, 1.8847**, and the grayscale version is **27.8867, 29.3390, 31.9501**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **19.5581, 25.2734, 49.1948** is the 20% darker color. If you saturate the color by 10%, you get **37.5580, 49.9506, 90.1010**, and if you desaturate by 10%, it is **38.7855, 51.8440, 90.4018**.

Distribution



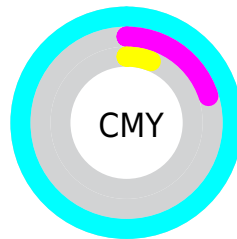
- Red (0%)
- Green (80%)
- Blue (94%)



- Red (0%)
- Yellow (44%)
- Blue (94%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (6%)





- Cyan (100%)
- Magenta (20%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5595, 49.9539, 90.1006 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 37.5595, 49.9539, 90.1006 by changing the saturation by 10% instead.


 37.5595, 49.9539,
90.1006


 37.5595, 49.9539,
90.1006


327.0402,
386.4856, 548.9366

 25.8166, 35.3768,
67.4899

 70.7407, 90.1066,
149.4149


 16.8185, 23.9532,
49.0188


 92.9098, 116.4509,
186.9555


 10.1997, 15.2989,
34.2687


 119.2850,
147.4864, 230.3099

 5.5948, 9.0295,
22.8210

 150.2317,
183.5975, 279.8965

 2.6386, 4.7604,
14.2574

 186.1152,
225.1686, 336.1340

 0.9657, 2.1074,
8.1591

227.3008,

 0.0000, 0.6688,

272.5840, 399.4408

4.1077

274.1541,
326.2283, 470.2355

■ 0.0000, 0.0000,
1.6846

■ 0.0000, 0.0000,
0.3502

■ 37.5595, 49.9539,
90.1006

■ 37.5595, 49.9539,
90.1006

■ 37.5580, 49.9506,
90.1010

■ 38.7855, 51.8440,
90.4018

■ 40.4950, 54.0105,
90.7299

■ 42.8351, 56.5302,
91.0929

■ 45.8924, 59.4479,
91.4949

■ 49.7395, 62.8014,
91.9394

■ 54.4402, 66.6236,
92.4294

■ 60.0514, 70.9440,
92.9676

■ 66.6253, 75.7898,
93.5565

■ 74.2099, 81.1857,
94.1982

Harmonies

Analogous

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



34.4138, 49.9539, 65.6530



37.5595, 49.9539, 90.1006



43.5430, 49.9539, 106.9008

Triad

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



37.5595, 49.9539, 90.1006



63.3758, 49.9539, 66.8368



43.8860, 49.9539, 22.5523

Complementary

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



37.5595, 49.9539, 90.1006



36.5390, 19.7316, 1.8847

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.



51.6468, 49.9539, 22.7073



37.5595, 49.9539, 90.1006



63.4936, 49.9539, 44.4972

Square

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



37.5595, 49.9539, 90.1006



58.7026, 49.9539, 91.1686



59.0088, 49.9539, 29.6376



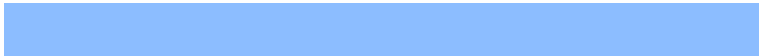
37.7869, 49.9539, 29.1335

Rectangle

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



37.5595, 49.9539, 90.1006



48.6046, 49.9539, 109.2429



59.0088, 49.9539, 29.6376



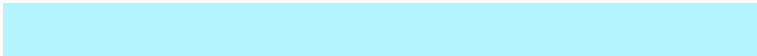
46.3723, 49.9539, 21.8895

Sweetspot

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



37.5612, 49.9557, 90.1018



68.8279, 81.3500, 106.6823



31.4228, 62.4260, 11.7639



14.1221, 16.9487, 22.7771



0.0000, 0.0000, 0.0000



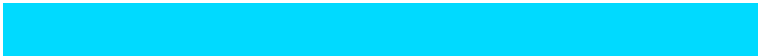
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.5612, 49.9557, 90.1018



43.0705, 57.2611, 103.3902



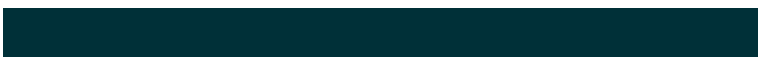
19.2224, 13.2782, 83.9889



16.0394, 17.5130, 20.2566



20.6362, 27.4966, 49.3476



1.7698, 2.3936, 4.1230

Inverse Universe

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



46.9561, 22.9348, 59.7113



53.8692, 26.3117, 68.4345



47.1683, 40.9903, 5.4278



16.3493, 15.9894, 19.3958



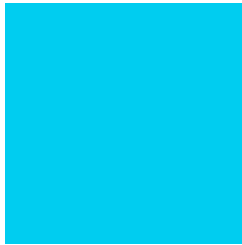
25.7418, 12.5691, 32.8865



2.1683, 1.0564, 2.8769

Previews

White Background



This preview shows how the XYZ color 37.5595, 49.9539, 90.1006 looks on a white background.

Color Contrast Check

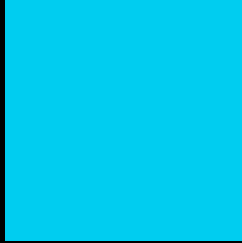
Large Text (above 18pt) WCAG AA × Fail

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 37.5595, 49.9539, 90.1006 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 37.5595, 49.9539, 90.1006

Background



This preview shows how black text looks on a background with the XYZ color 37.5595, 49.9539, 90.1006.



This preview shows how white text looks on a background with the XYZ color 37.5595, 49.9539,

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

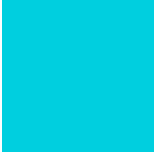
37.5595, 49.9539, 90.1006

Protanopia

48.8626, 49.0643, 78.1292

Deuteranopia

50.4282, 49.2302, 93.2307



Tritanopia

35.6321, 49.9534, 77.5760

Trichromacy



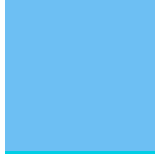
Original Color

37.5595, 49.9539, 90.1006



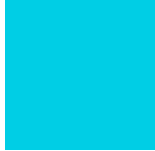
Protanomaly

39.9426, 46.9232, 81.8148



Deuteranomaly

41.1151, 46.9839, 91.6958



Tritanomaly

36.2142, 49.7998, 81.8324

Monochromacy



Original Color

37.5595, 49.9539, 90.1006



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

27.1446, 34.0918, 48.8658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5595, 49.9539, 90.1006 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(0, 205, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 205, 240)  
}
```

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(0, 205, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 205, 240) }
```

Border

The CSS property to change the border of an element to XYZ 37.5595, 49.9539, 90.1006 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(0, 205, 240) }
```


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

```
.border{ border-color:rgb(0, 205, 240) }
```

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

Here you see how a box with a 4 pixel rgb(0, 205, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 205, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 205, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 205,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5595, 49.9539, 90.1006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 205, 240) }
```

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

```
.background{ background-color: rgb(0, 205,  
240) }
```

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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