

Converting Colors

XYZ(37.6906, 54.8599, 75.8276)

Have a look what the booklet for
XYZ(37.6906, 54.8599, 75.8276)
contains.

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Color

**XYZ(37.5990, 54.7402,
75.6021)**

Conversions

Conversions Part 1

Format	Color
Hex	00D9DB
RGB	0, 217, 219
RGB Percent	0%, 85%, 86%
CMY	0.9998, 0.1490, 0.1412
CMYK	1.00, 0.01, 0.00, 0.14
HSL	181°, 100%, 43%
HSV	181°, 100%, 86%
XYZ	37.5990, 54.7402, 75.6021
YIQ	152.3450, -129.9740, -45.3820

Conversions

Conversions Part 2

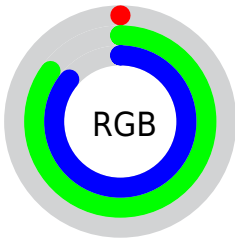
Format	Color
RYB	0, 109, 219
Decimal	55771
CIELab	78.89, -41.97, -13.50
CIELCh	79, 44.089, 197.824
Yxy	54.7402, 0.2239, 0.3259
Android (android.graphics.Color)	4278245851 (0xFF00D9DB)
YUV	152.3450, 32.8609, -133.6066
Hunter-Lab	73.9866, -38.7653, -8.7939

Details

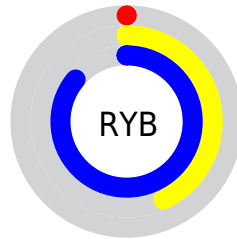
The XYZ color **37.5990, 54.7402, 75.6021** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **29.2364, 15.1048, 1.3760**, and the grayscale version is **29.9036, 31.4609, 34.2610**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **19.4457, 28.1701, 39.5344** is the 20% darker color. If you saturate the color by 10%, you get **37.5999, 54.7417, 75.6034**, and if you desaturate by 10%, it is **37.9814, 55.0150, 75.6360**.

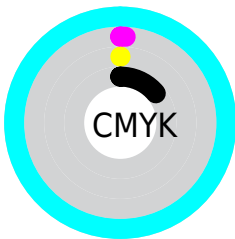
Distribution



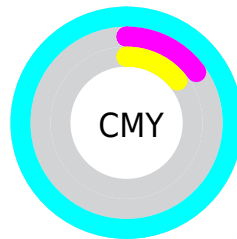
- Red (0%)
- Green (85%)
- Blue (86%)



- Red (0%)
- Yellow (43%)
- Blue (86%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (14%)





- Cyan (100%)
- Magenta (15%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5990, 54.7402, 75.6021 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 37.5990, 54.7402, 75.6021 by changing the saturation by 10% instead.


 37.5990, 54.7402,
75.6021


 37.5990, 54.7402,
75.6021


327.2073,
404.9264, 499.2950

 25.8474, 39.1938,
55.6016


 70.8010, 97.1602,
128.9192


 16.8416, 26.9105,
39.4817


 92.9820, 124.8026,
163.0729


 10.2162, 17.5060,
26.8240


 119.3703,
157.2457, 202.7814

 5.6059, 10.5959,
17.2098

 150.3312,
194.8739, 248.4633

 2.6453, 5.7958,
10.2207

 186.2300,
238.0717, 300.5370

 0.9691, 2.7213,
5.4380

227.4320,

 0.0000, 0.9880,

287.2235, 359.4212

2.4433

274.3027,
342.7136, 425.5344

■ 0.0000, 0.0000,
0.8099

■ 0.0000, 0.0000,
0.0000

■ 37.5990, 54.7402,
75.6021

■ 37.5990, 54.7402,
75.6021

■ 37.5999, 54.7417,
75.6034

■ 37.9814, 55.0150,
75.6360

■ 38.7355, 55.4804,
75.6861

■ 39.9848, 56.2012,
75.7594

■ 41.7980, 57.2127,
75.8591

■ 44.2329, 58.5449,
75.9878

■ 47.3402, 60.2237,
76.1481

■ 51.1652, 62.2727,
76.3420

■ 55.7496, 64.7132,
76.5715

■ 61.1316, 67.5650,
76.8382

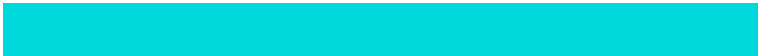
Harmonies

Analogous

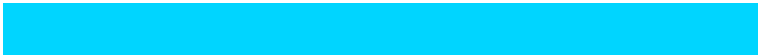
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.2545, 54.7402, 50.0064



37.5990, 54.7402, 75.6021



41.5303, 54.7402, 102.9185

Triad

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



37.5990, 54.7402, 75.6021



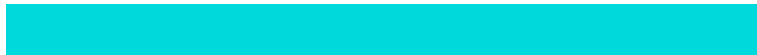
65.5202, 54.7402, 98.1615



55.6588, 54.7402, 23.8193

Complementary

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



37.5990, 54.7402, 75.6021



29.2364, 15.1048, 1.3760

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.



64.1626, 54.7402, 30.5500



37.5990, 54.7402, 75.6021



70.2692, 54.7402, 70.3544

Square

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



37.5990, 54.7402, 75.6021



57.3507, 54.7402, 118.2501



69.7462, 54.7402, 46.0367



47.0470, 54.7402, 24.4923

Rectangle

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



37.5990, 54.7402, 75.6021



45.9332, 54.7402, 116.2851



69.7462, 54.7402, 46.0367



58.6414, 54.7402, 25.1905

Sweetspot

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



37.6007, 54.7422, 75.6034



72.0627, 87.8196, 107.7605



25.3328, 50.6642, 8.4454



14.9083, 18.5210, 23.0391



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.



37.6007, 54.7422, 75.6034



53.0720, 77.2641, 106.7240



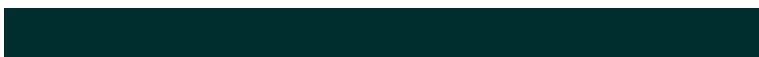
18.3118, 16.1645, 69.1738



13.4342, 14.8081, 16.8023



22.2994, 32.4682, 44.8301



1.4480, 2.1102, 2.9054

Inverse Universe

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



41.7392, 20.0713, 67.3221



58.9175, 28.3310, 95.0185



34.7390, 26.1101, 3.2102



13.6090, 13.2727, 16.4683



24.7510, 11.9015, 39.9305



1.6052, 0.7717, 2.5958

Previews

White Background



This preview shows how the XYZ color 37.5990, 54.7402, 75.6021 looks on a white background.

Color Contrast Check

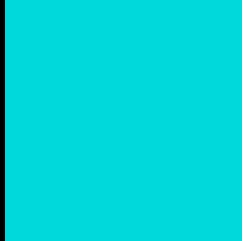
Large Text (above 18pt) WCAG AA × Fail

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 37.5990, 54.7402, 75.6021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

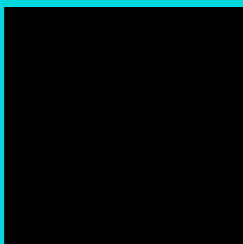
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

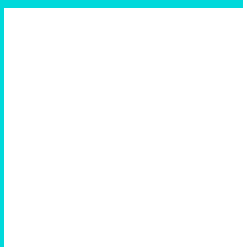
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5990, 54.7402, 75.6021

Background



This preview shows how black text looks on a background with the XYZ color 37.5990, 54.7402, 75.6021.



This preview shows how white text looks on a background with the XYZ color 37.5990, 54.7402,

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

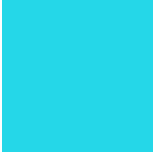
37.5990, 54.7402, 75.6021

Protanopia

52.2172, 53.9689, 64.7916

Deuteranopia

54.8142, 53.7018, 78.7106



Tritanopia

39.6289, 54.8204, 84.8367

Trichromacy



Original Color

37.5990, 54.7402, 75.6021



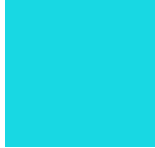
Protanomaly

40.7975, 51.0555, 68.0260



Deuteranomaly

42.2002, 50.5345, 77.3420



Tritanomaly

38.7977, 54.8520, 81.2157

Monochromacy



Original Color

37.5990, 54.7402, 75.6021



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

28.2916, 36.7266, 46.6721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5990, 54.7402, 75.6021 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, 217, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 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(0, 217, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 219) }
```

Border

The CSS property to change the border of an element to XYZ 37.5990, 54.7402, 75.6021 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, 217, 219) }
```


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

```
.border{ border-color:rgb(0, 217, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 217, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 217,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5990, 54.7402, 75.6021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 217, 219) }
```

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

```
.background{ background-color: rgb(0, 217,  
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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