

Converting Colors

XYZ(29.6817, 49.1081, 77.1267)

Have a look what the booklet for
XYZ(29.6817, 49.1081, 77.1267)
contains.

XYZ(36.9791, 52.8624, 77.3617)	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(36.9791, 52.8624,
77.3617)**

Conversions

Conversions Part 1

Format	Color
Hex	00D5DE
RGB	0, 213, 222
RGB Percent	0%, 84%, 87%
CMY	0.9998, 0.1647, 0.1294
CMYK	1.00, 0.04, 0.00, 0.13
HSL	182°, 100%, 44%
HSV	182°, 100%, 87%
XYZ	36.9791, 52.8624, 77.3617
YIQ	150.3390, -129.8370, -42.3570

Conversions

Conversions Part 2

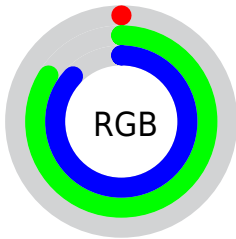
Format	Color
RYB	0, 109, 222
Decimal	54750
CIELab	77.79, -39.27, -16.75
CIELCh	78, 42.693, 203.102
Yxy	52.8624, 0.2212, 0.3162
Android (android.graphics.Color)	4278244830 (0xFF00D5DE)
YUV	150.3390, 35.3289, -131.8473
Hunter-Lab	72.7065, -36.4500, -12.1916

Details

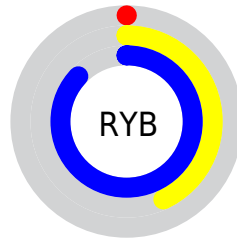
The XYZ color **36.9791, 52.8624, 77.3617** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **30.2233, 15.7266, 1.4443**, and the grayscale version is **29.0358, 30.5479, 33.2666**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **19.2019, 27.2437, 40.8057** is the 20% darker color. If you saturate the color by 10%, you get **36.9794, 52.8627, 77.3627**, and if you desaturate by 10%, it is **37.5437, 53.4916, 77.4544**.

Distribution



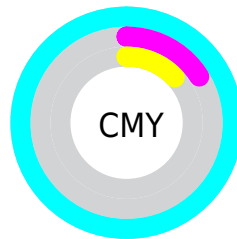
- Red (0%)
- Green (84%)
- Blue (87%)



- Red (0%)
- Yellow (43%)
- Blue (87%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (13%)





- Cyan (100%)
- Magenta (16%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9791, 52.8624, 77.3617 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 36.9791, 52.8624, 77.3617 by changing the saturation by 10% instead.


 36.9791, 52.8624,
77.3617


 36.9791, 52.8624,
77.3617


324.5771,
397.7570, 505.4667

 25.3649, 37.6929,
57.0365


 69.8547, 94.4019,
131.4276


 16.4793, 25.7445,
40.6250


 91.8468, 121.5406,
166.0053


 9.9570, 16.6326,
27.7087


 118.0289,
153.4380, 206.1710

 5.4325, 9.9729,
17.8690

 148.7664,
190.4783, 252.3431

 2.5405, 5.3810,
10.6875

 184.4246,
233.0460, 304.9402

 0.9157, 2.4725,
5.7456

225.3689,

 0.0000, 0.8628,

281.5254, 364.3808

2.6247

271.9646,
336.3009, 431.0835

■ 0.0000, 0.0000,
0.9052

■ 0.0000, 0.0000,
0.0000

■ 36.9791, 52.8624,
77.3617

■ 36.9791, 52.8624,
77.3617

■ 36.9794, 52.8627,
77.3627

■ 37.5437, 53.4916,
77.4544

■ 38.4940, 54.3204,
77.5643

■ 39.9565, 55.4151,
77.6985

■ 42.0023, 56.8124,
77.8604

■ 44.6911, 58.5431,
78.0527

■ 48.0754, 60.6342,
78.2780

■ 52.2022, 63.1099,
78.5383

■ 57.1143, 65.9924,
78.8358

■ 62.8515, 69.3021,
79.1723

Harmonies

Analogous

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



36.0406, 52.8624, 52.2548



36.9791, 52.8624, 77.3617



41.2804, 52.8624, 102.2525

Triad

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



36.9791, 52.8624, 77.3617



64.0787, 52.8624, 89.4957



52.1802, 52.8624, 23.1266

Complementary

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



36.9791, 52.8624, 77.3617



30.2233, 15.7266, 1.4443

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.



60.4197, 52.8624, 28.2574



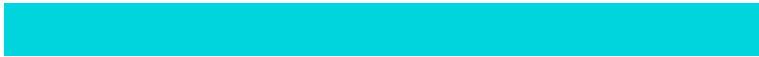
36.9791, 52.8624, 77.3617



67.7610, 52.8624, 63.2088

Square

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



36.9791, 52.8624, 77.3617



56.7520, 52.8624, 110.4957



66.3534, 52.8624, 41.4603



44.2538, 52.8624, 24.9852

Rectangle

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



36.9791, 52.8624, 77.3617



45.7579, 52.8624, 113.1226



66.3534, 52.8624, 41.4603



55.0144, 52.8624, 24.0302

Sweetspot

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



36.9807, 52.8643, 77.3630



71.3035, 86.3012, 107.5074



26.1633, 52.2600, 8.9224



14.7232, 18.1509, 22.9774



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.



36.9807, 52.8643, 77.3630



50.6000, 72.3199, 105.9000



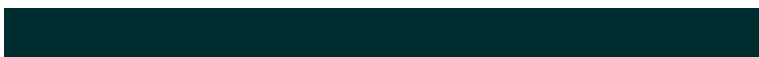
18.0992, 15.1013, 71.0691



14.0665, 15.4720, 17.6327



21.9853, 31.4402, 45.9582



1.5389, 2.2093, 3.1906

Inverse Universe

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



42.1359, 20.3354, 64.6570



57.6697, 27.8319, 88.4477



36.6541, 28.5881, 3.5879



14.2698, 13.9255, 17.1907



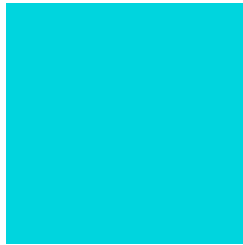
25.0374, 12.0819, 38.4581



1.7430, 0.8405, 2.7056

Previews

White Background



This preview shows how the XYZ color 36.9791, 52.8624, 77.3617 looks on a white background.

Color Contrast Check

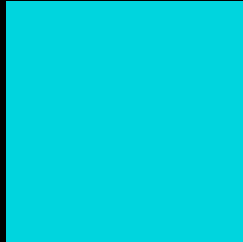
Large Text (above 18pt) WCAG AA × Fail

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 36.9791, 52.8624, 77.3617 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

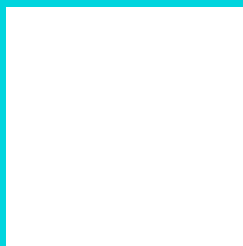
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9791, 52.8624, 77.3617

Background



This preview shows how black text looks on a background with the XYZ color 36.9791, 52.8624, 77.3617.

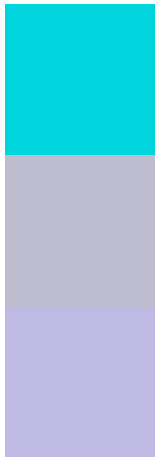


This preview shows how white text looks on a background with the XYZ color 36.9791, 52.8624,

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

36.9791, 52.8624, 77.3617

Protanopia

50.4463, 51.7190, 66.3554

Deuteranopia

53.0484, 51.7956, 80.6004



Tritanopia

38.1652, 52.9910, 82.3455

Trichromacy



Original Color

36.9791, 52.8624, 77.3617



Protanomaly

39.8235, 49.1347, 69.6724



Deuteranomaly

41.4934, 49.1084, 79.2434



Tritanomaly

37.5204, 52.7066, 80.1474

Monochromacy



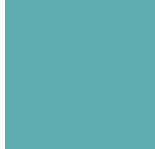
Original Color

36.9791, 52.8624, 77.3617



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

27.4994, 35.4546, 46.4684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9791, 52.8624, 77.3617 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, 213, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 213, 222)  
}
```

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, 213, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 213, 222) }
```

Border

The CSS property to change the border of an element to XYZ 36.9791, 52.8624, 77.3617 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, 213, 222) }
```


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

```
.border{ border-color:rgb(0, 213, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 213, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 213, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 213, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 213,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9791, 52.8624, 77.3617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 213, 222) }
```

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

```
.background{ background-color: rgb(0, 213,  
222) }
```

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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