

Converting Colors

XYZ(35.1435, 52.4732, 78.1597)

Have a look what the booklet for
XYZ(35.1435, 52.4732, 78.1597)
contains.

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Color

**XYZ(37.6197, 53.9286,
78.2385)**

Conversions

Conversions Part 1

Format	Color
Hex	00D7DF
RGB	0, 215, 223
RGB Percent	0%, 84%, 87%
CMY	0.9998, 0.1569, 0.1255
CMYK	1.00, 0.04, 0.00, 0.13
HSL	182°, 100%, 44%
HSV	182°, 100%, 87%
XYZ	37.6197, 53.9286, 78.2385
YIQ	151.6270, -130.7080, -43.0920

Conversions

Conversions Part 2

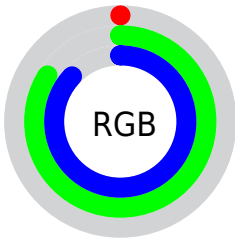
Format	Color
RYB	0, 109, 223
Decimal	55263
CIELab	78.42, -39.87, -16.34
CIELCh	78, 43.093, 202.287
Yxy	53.9286, 0.2216, 0.3176
Android (android.graphics.Color)	4278245343 (0xFF00D7DF)
YUV	151.6270, 35.1869, -132.9769
Hunter-Lab	73.4361, -37.0715, -11.7620

Details

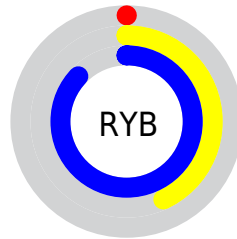
The XYZ color **37.6197, 53.9286, 78.2385** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **30.5195, 15.8631, 1.4549**, and the grayscale version is **29.5856, 31.1264, 33.8967**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **19.6387, 27.9688, 41.4092** is the 20% darker color. If you saturate the color by 10%, you get **37.6202, 53.9292, 78.2396**, and if you desaturate by 10%, it is **38.1637, 54.5133, 78.3237**.

Distribution



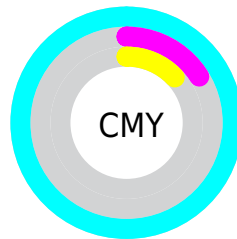
- Red (0%)
- Green (84%)
- Blue (87%)



- 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 37.6197, 53.9286, 78.2385 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 37.6197, 53.9286, 78.2385 by changing the saturation by 10% instead.

37.6197, 53.9286,
78.2385

37.6197, 53.9286,
78.2385

327.2949,
401.8377, 508.5258

25.8635, 38.5446,
57.7523

70.8325, 95.9694,
132.6752

16.8537, 26.4056,
41.1962

93.0199, 123.3950,
167.4628

10.2249, 17.1273,
28.1515

119.4150,
155.6032, 207.8546

5.6117, 10.3253,
18.1999

150.3833,
192.9784, 254.2692

2.6489, 5.6152,
10.9227

186.2901,
235.9051, 307.1250

0.9709, 2.6125,
5.9013

227.5007,

0.0000, 0.9330,

284.7676, 366.8407

2.7174

274.3805,
339.9503, 433.8348

■ 0.0000, 0.0000,
0.9521

■ 0.0000, 0.0000,
0.0000

■ 37.6197, 53.9286,
78.2385

■ 37.6197, 53.9286,
78.2385

■ 37.6202, 53.9292,
78.2396

■ 38.1637, 54.5133,
78.3237

■ 39.0972, 55.2992,
78.4262

■ 40.5480, 56.3533,
78.5532

■ 42.5879, 57.7125,
78.7080

■ 45.2774, 59.4081,
78.8936

■ 48.6694, 61.4674,
79.1123

■ 52.8116, 63.9148,
79.3663

■ 57.7472, 66.7728,
79.6579

■ 63.5164, 70.0620,
79.9887

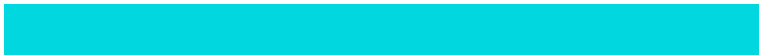
Harmonies

Analogous

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



36.7565, 53.9286, 52.6807



37.6197, 53.9286, 78.2385



41.9289, 53.9286, 103.8719

Triad

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



37.6197, 53.9286, 78.2385



65.2471, 53.9286, 92.1111



53.4739, 53.9286, 23.5718

Complementary

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



37.6197, 53.9286, 78.2385



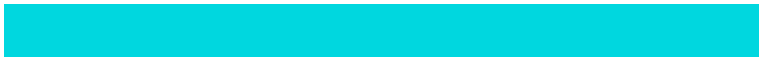
30.5195, 15.8631, 1.4549

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.



61.8763, 53.9286, 29.0159



37.6197, 53.9286, 78.2385



69.1444, 53.9286, 65.2021

Square

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



37.6197, 53.9286, 78.2385



57.6838, 53.9286, 113.2969



67.8474, 53.9286, 42.7504



45.3272, 53.9286, 25.2775

Rectangle

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



37.6197, 53.9286, 78.2385



46.4617, 53.9286, 115.2814



67.8474, 53.9286, 42.7504



56.3725, 53.9286, 24.5586

Sweetspot

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



37.6214, 53.9306, 78.2398



71.4158, 86.5257, 107.5449



26.4297, 52.7928, 9.0120



14.7505, 18.2056, 22.9865



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.



37.6214, 53.9306, 78.2398



50.9607, 73.0414, 106.0202



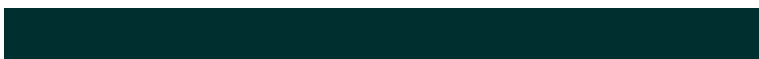
18.2801, 15.2481, 71.7927



14.0722, 15.4836, 17.6346



22.1384, 31.7464, 46.0092



1.5479, 2.2272, 3.1936

Inverse Universe

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



42.6986, 20.5958, 66.0170



57.8518, 27.9047, 89.4066



37.0241, 28.8723, 3.6231



14.2727, 13.9267, 17.2060



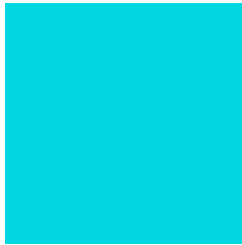
25.1147, 12.1129, 38.8651



1.7476, 0.8423, 2.7294

Previews

White Background



This preview shows how the XYZ color 37.6197, 53.9286, 78.2385 looks on a white background.

Color Contrast Check

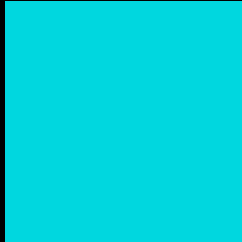
Large Text (above 18pt) WCAG AA × Fail

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 37.6197, 53.9286, 78.2385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

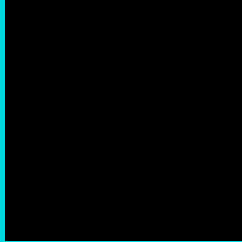
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

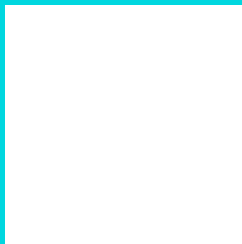
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6197, 53.9286, 78.2385

Background



This preview shows how black text looks on a background with the XYZ color 37.6197, 53.9286, 78.2385.



This preview shows how white text looks on a background with the XYZ color 37.6197, 53.9286,

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

37.6197, 53.9286, 78.2385

Protanopia

51.5018, 52.8920, 67.1693

Deuteranopia

54.1184, 52.9610, 81.4989



Tritanopia

39.0058, 54.1387, 83.9953

Trichromacy



Original Color

37.6197, 53.9286, 78.2385



Protanomaly

40.6906, 50.2502, 70.5054



Deuteranomaly

42.2276, 50.1452, 80.1264



Tritanomaly

38.3187, 53.8330, 81.7700

Monochromacy



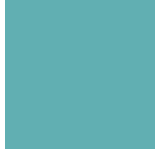
Original Color

37.6197, 53.9286, 78.2385



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

28.2956, 36.4157, 47.6571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6197, 53.9286, 78.2385 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, 215, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 215, 223)  
}
```

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, 215, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 215, 223) }
```

Border

The CSS property to change the border of an element to XYZ 37.6197, 53.9286, 78.2385 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, 215, 223) }
```


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

```
.border{ border-color:rgb(0, 215, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 215, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 215, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 215, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 215,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6197, 53.9286, 78.2385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 215, 223) }
```

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

```
.background{ background-color: rgb(0, 215,  
223) }
```

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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