

Converting Colors

XYZ(36.7762, 54.3080, 71.5865)

Have a look what the booklet for
XYZ(36.7762, 54.3080, 71.5865)
contains.

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Color

**XYZ(36.8231, 54.4298,
71.5160)**

Conversions

Conversions Part 1

Format	Color
Hex	00D9D5
RGB	0, 217, 213
RGB Percent	0%, 85%, 84%
CMY	0.9998, 0.1490, 0.1647
CMYK	1.00, 0.00, 0.02, 0.15
HSL	179°, 100%, 43%
HSV	179°, 100%, 85%
XYZ	36.8231, 54.4298, 71.5160
YIQ	151.6610, -128.0480, -47.2480

Conversions

Conversions Part 2

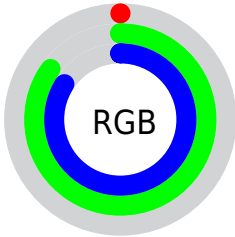
Format	Color
RYB	0, 110, 217
Decimal	55765
CIELab	78.71, -43.74, -10.56
CIELCh	79, 44.996, 193.567
Yxy	54.4298, 0.2262, 0.3344
Android (android.graphics.Color)	4278245845 (0xFF00D9D5)
YUV	151.6610, 30.2401, -133.0067
Hunter-Lab	73.7766, -40.0167, -5.8297

Details

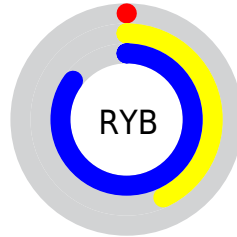
The XYZ color **36.8231, 54.4298, 71.5160** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **28.6390, 14.7622, 1.4563**, and the grayscale version is **29.6197, 31.1623, 33.9357**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **18.9164, 27.9584, 36.7473** is the 20% darker color. If you saturate the color by 10%, you get **36.8240, 54.4314, 71.5166**, and if you desaturate by 10%, it is **37.2004, 54.6196, 71.8005**.

Distribution



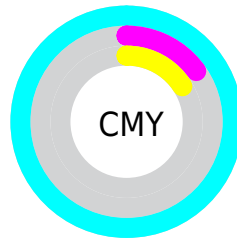
- Red (0%)
- Green (85%)
- Blue (84%)



- Red (0%)
- Yellow (43%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (15%)



- Cyan (100%)
- Magenta (15%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8231, 54.4298, 71.5160 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 36.8231, 54.4298, 71.5160 by changing the saturation by 10% instead.

36.8231, 54.4298,
71.5160

36.8231, 54.4298,
71.5160

323.9129,
403.7469, 484.7874

25.2436, 38.9454,
52.2790

69.6162, 96.7050,
123.0695

16.3883, 26.7172,
36.8437

91.5606, 124.2646,
156.2230

9.8920, 17.3610,
24.7917

117.6906,
156.6181, 194.8525

5.3891, 10.4922,
15.7043

148.3716,
194.1498, 239.3764

2.5144, 5.7265,
9.1631

183.9690,
237.2441, 290.2133

0.9025, 2.6795,
4.7494

224.8481,

0.0000, 0.9668,

286.2854, 347.7817

2.0449

271.3742,
341.6582, 412.5002

■ 0.0000, 0.0000,
0.5827

■ 0.0000, 0.0000,
0.0000

■ 36.8231, 54.4298,
71.5160

■ 36.8231, 54.4298,
71.5160

■ 36.8240, 54.4314,
71.5166

■ 37.2004, 54.6196,
71.8005

■ 37.9413, 54.9957,
72.1013

■ 39.1672, 55.6217,
72.4256

■ 40.9451, 56.5324,
72.7763

■ 43.3316, 57.7567,
73.1562

■ 46.3762, 59.3203,
73.5675

■ 50.1232, 61.2460,
74.0124

■ 54.6133, 63.5547,
74.4927

■ 59.8840, 66.2659,
75.0102

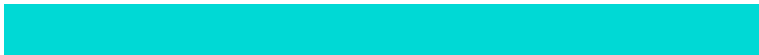
Harmonies

Analogous

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



36.9999, 54.4298, 46.4579



36.8231, 54.4298, 71.5160



40.3028, 54.4298, 99.8474

Triad

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



36.8231, 54.4298, 71.5160



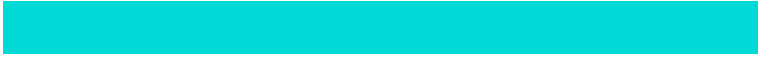
64.4417, 54.4298, 102.3208



56.7256, 54.4298, 23.6001

Complementary

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



36.8231, 54.4298, 71.5160



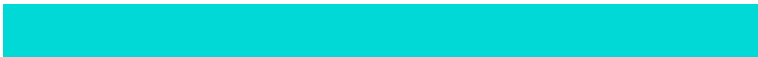
28.6390, 14.7622, 1.4563

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.



65.1447, 54.4298, 31.5065



36.8231, 54.4298, 71.5160



69.9369, 54.4298, 74.2324

Square

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



36.8231, 54.4298, 71.5160



55.8513, 54.4298, 120.7839



70.2080, 54.4298, 48.4993



47.8240, 54.4298, 23.2585

Rectangle

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



36.8231, 54.4298, 71.5160



44.4866, 54.4298, 114.8483



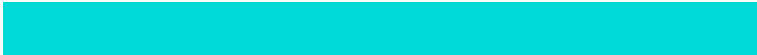
70.2080, 54.4298, 48.4993



59.7284, 54.4298, 25.3298

Sweetspot

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



36.8247, 54.4318, 71.5173



72.0587, 88.1737, 106.6425



24.9051, 49.6744, 8.2770



14.9073, 18.6075, 22.7663



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.



36.8247, 54.4318, 71.5173



53.0619, 78.4407, 103.0304



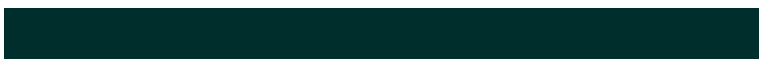
18.7431, 17.4456, 68.0272



13.4340, 14.8252, 16.7482



22.2952, 32.9507, 43.3153



1.4478, 2.1361, 2.8240

Inverse Universe

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



28.6390, 14.7622, 1.4563



41.2658, 21.2703, 2.0657



33.2989, 24.1172, 2.9015



13.0657, 13.0554, 13.6074



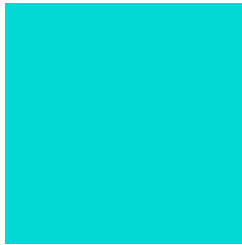
17.3397, 8.9369, 0.9029



1.1269, 0.5804, 0.0769

Previews

White Background



This preview shows how the XYZ color 36.8231, 54.4298, 71.5160 looks on a white background.

Color Contrast Check

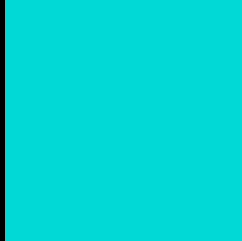
Large Text (above 18pt) WCAG AA × Fail

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 36.8231, 54.4298, 71.5160 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

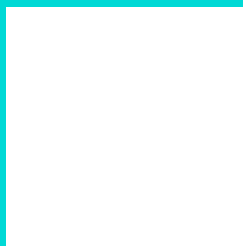
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8231, 54.4298, 71.5160

Background



This preview shows how black text looks on a background with the XYZ color 36.8231, 54.4298, 71.5160.



This preview shows how white text looks on a background with the XYZ color 36.8231, 54.4298,

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

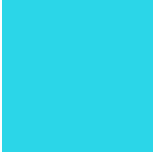
36.8231, 54.4298, 71.5160

Protanopia

51.5484, 53.3786, 61.0123

Deuteranopia

54.5888, 53.3603, 74.4403



Tritanopia

39.6083, 54.4329, 84.7630

Trichromacy



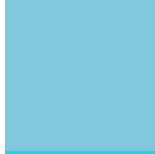
Original Color

36.8231, 54.4298, 71.5160



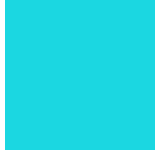
Protanomaly

39.9783, 50.3702, 64.1152



Deuteranomaly

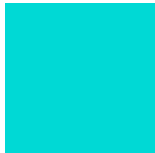
41.7002, 50.3686, 73.1699



Tritanomaly

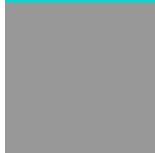
38.3430, 54.2701, 79.6885

Monochromacy



Original Color

36.8231, 54.4298, 71.5160



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

28.0951, 36.6480, 45.6374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8231, 54.4298, 71.5160 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 213) }
```

Border

The CSS property to change the border of an element to XYZ 36.8231, 54.4298, 71.5160 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, 213) }
```


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

```
.border{ border-color:rgb(0, 217, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 217,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8231, 54.4298, 71.5160 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, 213) }
```

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

```
.background{ background-color: rgb(0, 217,  
213) }
```

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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