

Converting Colors

XYZ(21.1641, 49.2971, 64.9366)

Have a look what the booklet for
XYZ(21.1641, 49.2971, 64.9366)
contains.

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Color

**XYZ(37.4351, 57.6231,
65.6492)**

Conversions

Conversions Part 1

Format	Color
Hex	00E0CB
RGB	0, 224, 203
RGB Percent	0%, 88%, 80%
CMY	0.9998, 0.1216, 0.2039
CMYK	1.00, 0.00, 0.09, 0.12
HSL	174°, 100%, 44%
HSV	174°, 100%, 88%
XYZ	37.4351, 57.6231, 65.6492
YIQ	154.6300, -126.7630, -54.0190

Conversions

Conversions Part 2

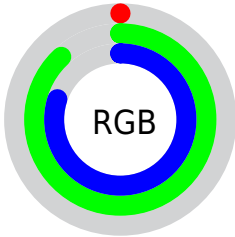
Format	Color
RYB	0, 118, 224
Decimal	57547
CIELab	80.53, -49.56, -2.53
CIELCh	81, 49.629, 182.924
Yxy	57.6231, 0.2329, 0.3586
Android (android.graphics.Color)	4278247627 (0xFF00E0CB)
YUV	154.6300, 23.8464, -135.6105
Hunter-Lab	75.9099, -44.8147, 1.8611

Details

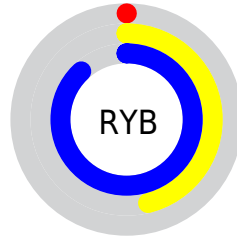
The XYZ color **37.4351, 57.6231, 65.6492** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **30.8777, 15.9030, 2.1537**, and the grayscale version is **30.9366, 32.5478, 35.4445**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **19.4274, 30.1752, 33.2342** is the 20% darker color. If you saturate the color by 10%, you get **37.4358, 57.6248, 65.6481**, and if you desaturate by 10%, it is **38.0291, 57.9015, 66.9941**.

Distribution



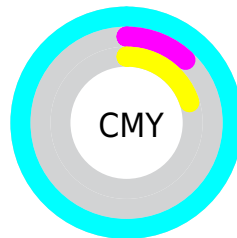
- Red (0%)
- Green (88%)
- Blue (80%)



- Red (0%)
- Yellow (46%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (12%)



- Cyan (100%)
- Magenta (12%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4351, 57.6231, 65.6492 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 37.4351, 57.6231, 65.6492 by changing the saturation by 10% instead.

37.4351, 57.6231,
65.6492

37.4351, 57.6231,
65.6492

326.5134,
415.7801, 463.4912

25.7198, 41.5057,
47.5330

70.5510, 101.3738,
114.6049

16.7457, 28.7145,
33.0999

92.6822, 129.7759,
146.2815

10.1475, 18.8649,
21.9312

119.0161,
163.0417, 183.3152

5.5599, 11.5727,
13.6085

149.9181,
201.5556, 226.1248

2.6175, 6.4534,
7.7133

185.7534,
245.7020, 275.1286

0.9549, 3.1227,
3.8269

226.8875,

0.0000, 1.1961,

295.8653, 330.7452

1.5309

273.6857,
352.4298, 393.3932

■ 0.0000, 0.0585,
0.2408

■ 0.0000, 0.0000,
0.0000

■ 37.4351, 57.6231,
65.6492

■ 37.4351, 57.6231,
65.6492

■ 37.4358, 57.6248,
65.6481

■ 38.0291, 57.9015,
66.9941

■ 39.0191, 58.3824,
68.3739

■ 40.5342, 59.1335,
69.7962

■ 42.6470, 60.1924,
71.2644

■ 45.4186, 61.5905,
72.7814

■ 48.9026, 63.3555,
74.3497

■ 53.1472, 65.5121,
75.9718

■ 58.1961, 68.0830,
77.6497

■ 64.0900, 71.0891,
79.3854

Harmonies

Analogous

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



39.1062, 57.6231, 40.5047



37.4351, 57.6231, 65.6492



39.9104, 57.6231, 98.4614

Triad

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



37.4351, 57.6231, 65.6492



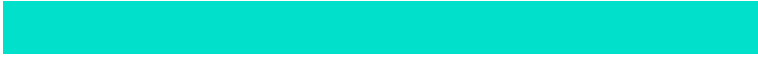
66.1270, 57.6231, 122.6321



64.1826, 57.6231, 24.8599

Complementary

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



37.4351, 57.6231, 65.6492



30.8777, 15.9030, 2.1537

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.



72.9218, 57.6231, 36.9116



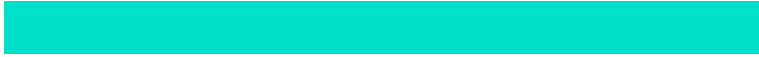
37.4351, 57.6231, 65.6492



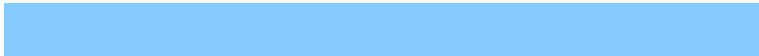
74.1387, 57.6231, 91.9140

Square

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



37.4351, 57.6231, 65.6492



55.7750, 57.6231, 137.1484



76.7662, 57.6231, 59.9215



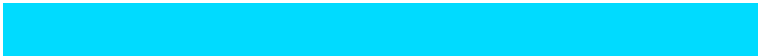
53.7752, 57.6231, 21.7230

Rectangle

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



37.4351, 57.6231, 65.6492



43.7830, 57.6231, 119.0227



76.7662, 57.6231, 59.9215



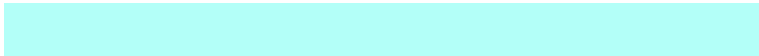
67.4543, 57.6231, 27.7694

Sweetspot

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



37.4368, 57.6253, 65.6506



71.1514, 87.8108, 101.8648



26.9974, 53.4888, 8.9027



14.6865, 18.5191, 21.6037



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.



37.4368, 57.6253, 65.6506



50.1962, 77.2945, 87.9399



22.0386, 22.5484, 73.7142



14.0582, 15.5490, 17.3420



21.8127, 33.5499, 38.3323



1.5283, 2.3320, 2.7433

Inverse Universe

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



30.8777, 15.9030, 2.1537



41.4040, 21.3256, 2.7934



34.3665, 23.0974, 2.6481



13.7592, 13.7213, 14.5020



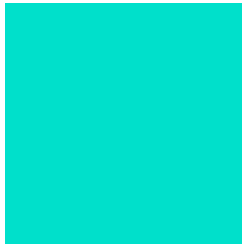
17.9905, 9.2632, 1.3498



1.2651, 0.6493, 0.1891

Previews

White Background



This preview shows how the XYZ color 37.4351, 57.6231, 65.6492 looks on a white background.

Color Contrast Check

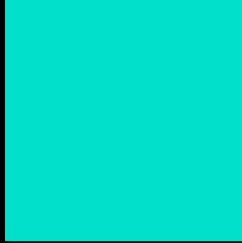
Large Text (above 18pt) WCAG AA × Fail

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 37.4351, 57.6231, 65.6492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

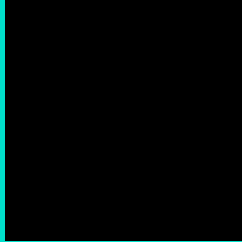
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

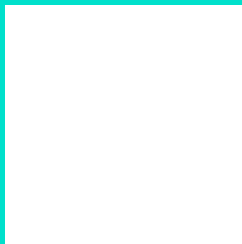
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4351, 57.6231, 65.6492

Background



This preview shows how black text looks on a background with the XYZ color 37.4351, 57.6231, 65.6492.

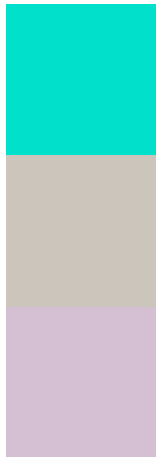


This preview shows how white text looks on a background with the XYZ color 37.4351, 57.6231,

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

37.4351, 57.6231, 65.6492

Protanopia

53.9452, 56.4007, 55.6202

Deuteranopia

57.6339, 56.3495, 68.8117



Tritanopia

42.2485, 57.6182, 89.0155

Trichromacy



Original Color

37.4351, 57.6231, 65.6492



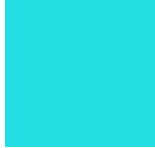
Protanomaly

41.1444, 53.2217, 58.5564



Deuteranomaly

42.8470, 52.8416, 66.9727



Tritanomaly

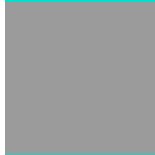
40.1746, 57.5242, 80.2200

Monochromacy



Original Color

37.4351, 57.6231, 65.6492



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

28.9132, 38.2737, 44.8934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4351, 57.6231, 65.6492 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, 224, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 203)  
}
```

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, 224, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 203) }
```

Border

The CSS property to change the border of an element to XYZ 37.4351, 57.6231, 65.6492 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, 224, 203) }
```


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

```
.border{ border-color:rgb(0, 224, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 224, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4351, 57.6231, 65.6492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 203) }
```

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

```
.background{ background-color: rgb(0, 224,  
203) }
```

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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