

Converting Colors

XYZ(37.6116, 58.9730, 62.6309)

Have a look what the booklet for
XYZ(37.6116, 58.9730, 62.6309)
contains.

XYZ(37.6621, 59.0154, 62.8322)	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(37.6621, 59.0154,
62.8322)**

Conversions

Conversions Part 1

Format	Color
Hex	00E3C6
RGB	0, 227, 198
RGB Percent	0%, 89%, 78%
CMY	0.9998, 0.1098, 0.2235
CMYK	1.00, 0.00, 0.13, 0.11
HSL	172°, 100%, 45%
HSV	172°, 100%, 89%
XYZ	37.6621, 59.0154, 62.8322
YIQ	155.8210, -125.9830, -57.1430

Conversions

Conversions Part 2

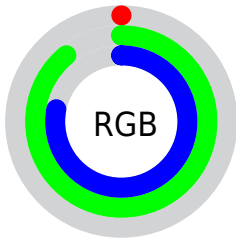
Format	Color
RYB	0, 121, 227
Decimal	58310
CIELab	81.30, -52.15, 1.25
CIELCh	81, 52.164, 178.627
Yxy	59.0154, 0.2361, 0.3700
Android (android.graphics.Color)	4278248390 (0xFF00E3C6)
YUV	155.8210, 20.7942, -136.6550
Hunter-Lab	76.8215, -46.9271, 5.2818

Details

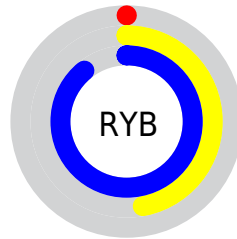
The XYZ color **37.6621, 59.0154, 62.8322** is a dark color, and the websafe version is hex **66FFCC**. The color can be described as middle washed cyan. A complement of this color would be **31.9024, 16.4212, 2.6532**, and the grayscale version is **31.4766, 33.1158, 36.0631**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **19.4088, 30.7631, 31.3005** is the 20% darker color. If you saturate the color by 10%, you get **37.6627, 59.0172, 62.8305**, and if you desaturate by 10%, it is **38.3486, 59.3317, 64.6292**.

Distribution



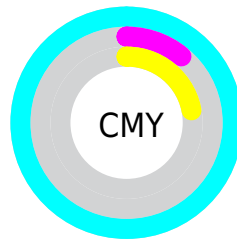
- Red (0%)
- Green (89%)
- Blue (78%)



- Red (0%)
- Yellow (47%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6621, 59.0154, 62.8322 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 37.6621, 59.0154, 62.8322 by changing the saturation by 10% instead.


 37.6621, 59.0154,
62.8322


 37.6621, 59.0154,
62.8322


327.4742,
420.9590, 453.0514


 25.8966, 42.6255,
45.2653


 70.8972, 103.4000,
110.5106


 16.8785, 29.5914,
31.3220


 93.0974, 132.1636,
141.4593


 10.2427, 19.5287,
20.5837


 119.5066,
165.8205, 177.7056

 5.6237, 12.0529,
12.6317

 150.4901,
204.7551, 219.6682

 2.6561, 6.7797,
7.0477

 186.4133,
249.3519, 267.7655

 0.9746, 3.3247,
3.4131

227.6414,

 0.0000, 1.3035,

299.9952, 322.4161

1.3092

274.5400,
357.0694, 384.0386

■ 0.0000, 0.1439,
0.0693

■ 0.0000, 0.0000,
0.0000

■ 37.6621, 59.0154,
62.8322

■ 37.6621, 59.0154,
62.8322

■ 37.6627, 59.0172,
62.8305

■ 38.3486, 59.3317,
64.6292

■ 39.4472, 59.8582,
66.4777

■ 41.0900, 60.6646,
68.3856

■ 43.3524, 61.7896,
70.3564

■ 46.2974, 63.2658,
72.3934

■ 49.9806, 65.1218,
74.4992

■ 54.4516, 67.3831,
76.6765

■ 59.7558, 70.0732,
78.9274

■ 65.9351, 73.2136,
81.2542

Harmonies

Analogous

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



40.0527, 59.0154, 37.8304



37.6621, 59.0154, 62.8322



39.6534, 59.0154, 97.4676

Triad

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



37.6621, 59.0154, 62.8322



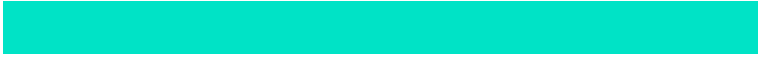
66.7296, 59.0154, 132.5399



67.7096, 59.0154, 25.4638

Complementary

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



37.6621, 59.0154, 62.8322



31.9024, 16.4212, 2.6532

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.



76.5427, 59.0154, 39.6048



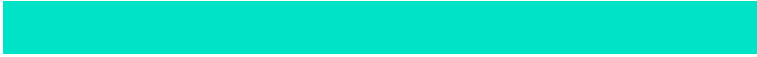
37.6621, 59.0154, 62.8322



75.9274, 59.0154, 100.7886

Square

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



37.6621, 59.0154, 62.8322



55.5924, 59.0154, 144.7418



79.7262, 59.0154, 65.7047



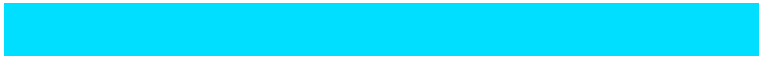
56.5953, 59.0154, 21.0304

Rectangle

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



37.6621, 59.0154, 62.8322



43.3645, 59.0154, 120.5528



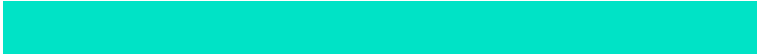
79.7262, 59.0154, 65.7047



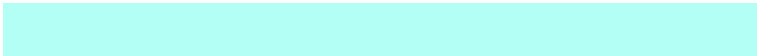
71.0948, 59.0154, 28.9553

Sweetspot

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



37.6638, 59.0177, 62.8336



70.7508, 87.6505, 99.7555



28.0145, 55.2208, 9.1833



14.5894, 18.4803, 21.0921



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.



37.6638, 59.0177, 62.8336



49.0006, 76.8163, 81.6442



23.8066, 25.4274, 76.3288



14.7240, 16.3030, 18.0774



21.9947, 34.4300, 36.8019



1.6476, 2.5532, 2.8367

Inverse Universe

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



31.9024, 16.4212, 2.6532



41.5087, 21.3675, 3.3451



34.7930, 22.5579, 2.5214



14.4516, 14.3978, 15.3124



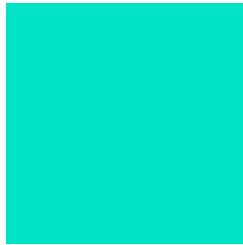
18.6278, 9.5853, 1.6690



1.4009, 0.7181, 0.2519

Previews

White Background



This preview shows how the XYZ color 37.6621, 59.0154, 62.8322 looks on a white background.

Color Contrast Check

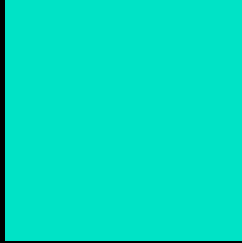
Large Text (above 18pt) WCAG AA × Fail

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 37.6621, 59.0154, 62.8322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

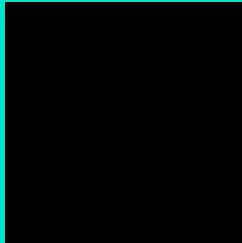
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

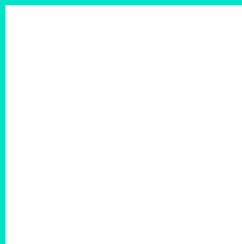
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6621, 59.0154, 62.8322

Background



This preview shows how black text looks on a background with the XYZ color 37.6621, 59.0154, 62.8322.



This preview shows how white text looks on a background with the XYZ color 37.6621, 59.0154,

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

37.6621, 59.0154, 62.8322

Protanopia

55.2139, 58.1373, 53.1113

Deuteranopia

58.9265, 57.7431, 65.7974



Tritanopia

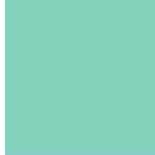
43.3609, 58.9370, 90.7520

Trichromacy



Original Color

37.6621, 59.0154, 62.8322



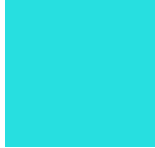
Protanomaly

41.6394, 54.6296, 55.9269



Deuteranomaly

43.2132, 53.8102, 63.9859



Tritanomaly

40.6789, 58.5885, 79.6857

Monochromacy



Original Color

37.6621, 59.0154, 62.8322



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.2242, 39.0488, 44.5250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6621, 59.0154, 62.8322 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, 227, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 198)  
}
```

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, 227, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 198) }
```

Border

The CSS property to change the border of an element to XYZ 37.6621, 59.0154, 62.8322 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, 227, 198) }
```


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

```
.border{ border-color:rgb(0, 227, 198) }
```

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

Here you see how a box with a 4 pixel rgb(0, 227, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6621, 59.0154, 62.8322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 198) }
```

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

```
.background{ background-color: rgb(0, 227,  
198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor