

Converting Colors

XYZ(32.1230, 57.2918, 73.8109)

Have a look what the booklet for
XYZ(32.1230, 57.2918, 73.8109)
contains.

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Color

**XYZ(40.5626, 61.4999,
74.0228)**

Conversions

Conversions Part 1

Format	Color
Hex	00E6D7
RGB	0, 230, 215
RGB Percent	0%, 90%, 84%
CMY	0.9998, 0.0980, 0.1569
CMYK	1.00, 0.00, 0.07, 0.10
HSL	176°, 100%, 45%
HSV	176°, 100%, 90%
XYZ	40.5626, 61.4999, 74.0228
YIQ	159.5200, -132.2650, -53.4250

Conversions

Conversions Part 2

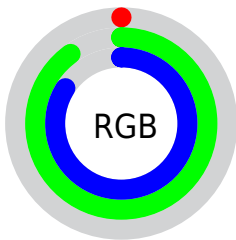
Format	Color
RYB	0, 119, 230
Decimal	59095
CIELab	82.65, -48.76, -5.78
CIELCh	83, 49.100, 186.759
Yxy	61.4999, 0.2304, 0.3493
Android (android.graphics.Color)	4278249175 (0xFF00E6D7)
YUV	159.5200, 27.3516, -139.8990
Hunter-Lab	78.4219, -44.9117, -1.0688

Details

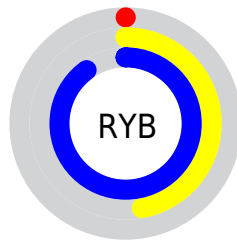
The XYZ color **40.5626, 61.4999, 74.0228** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **32.7215, 16.8594, 1.9837**, and the grayscale version is **33.1233, 34.8483, 37.9498**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **21.2887, 32.4252, 38.3944** is the 20% darker color. If you saturate the color by 10%, you get **40.5632, 61.5017, 74.0217**, and if you desaturate by 10%, it is **41.1121, 61.7622, 75.0612**.

Distribution



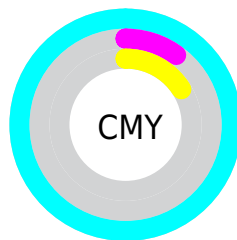
- Red (0%)
- Green (90%)
- Blue (84%)



- Red (0%)
- Yellow (47%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (10%)



- Cyan (100%)
- Magenta (10%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5626, 61.4999, 74.0228 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 40.5626, 61.4999, 74.0228 by changing the saturation by 10% instead.

40.5626, 61.4999,
74.0228

40.5626, 61.4999,
74.0228

339.5831,
430.1045, 493.7176

28.1636, 44.6287,
54.3158

75.2984, 107.0024,
126.6625

18.5901, 31.1651,
38.4593

98.3659, 136.4026,
160.4322

11.4767, 20.7246,
26.0348

125.7203,
170.7478, 199.7266

6.4581, 12.9228,
16.6237

157.7269,
210.4226, 244.9642

3.1689, 7.3754,
9.8074

194.7512,
255.8112, 296.5636

1.2437, 3.6980,
5.1675

237.1584,

0.1404, 1.5061,

307.2982, 354.9433

2.2854

285.3139,
365.2678, 420.5217

■ 0.0000, 0.2930,
0.7230

■ 0.0000, 0.0000,
0.0000

■ 40.5626, 61.4999,
74.0228

■ 40.5626, 61.4999,
74.0228

■ 40.5632, 61.5017,
74.0217

■ 41.1121, 61.7622,
75.0612

■ 42.0823, 62.2398,
76.1271

■ 43.6087, 63.0038,
77.2283

■ 45.7689, 64.0945,
78.3685

■ 48.6283, 65.5453,
79.5507

■ 52.2440, 67.3859,
80.7777

■ 56.6674, 69.6426,
82.0519

■ 61.9453, 72.3396,
83.3755

■ 68.1208, 75.4992,
84.7504

Harmonies

Analogous

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



41.7517, 61.4999, 46.5864



40.5626, 61.4999, 74.0228



43.6851, 61.4999, 108.0105

Triad

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



40.5626, 61.4999, 74.0228



71.4290, 61.4999, 124.9997



66.8140, 61.4999, 26.5605

Complementary

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



40.5626, 61.4999, 74.0228



32.7215, 16.8594, 1.9837

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.



76.2243, 61.4999, 37.9074



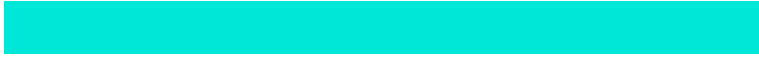
40.5626, 61.4999, 74.0228



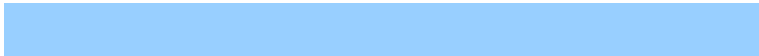
79.1044, 61.4999, 92.5532

Square

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



40.5626, 61.4999, 74.0228



60.8696, 61.4999, 142.6414



80.9569, 61.4999, 60.3669



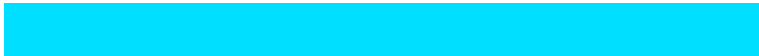
56.1028, 61.4999, 24.3046

Rectangle

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



40.5626, 61.4999, 74.0228



48.0414, 61.4999, 128.1210



80.9569, 61.4999, 60.3669



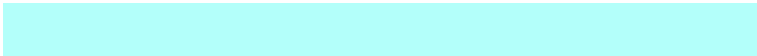
70.2714, 61.4999, 29.2274

Sweetspot

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



40.5644, 61.5022, 74.0243



71.4918, 87.9469, 103.6575



28.5014, 56.7004, 9.4438



14.7692, 18.5522, 22.0393



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.



40.5644, 61.5022, 74.0243



51.2461, 77.7145, 93.4689



22.3147, 21.7750, 77.8922



14.7647, 16.3193, 18.2918



22.9817, 34.8248, 41.9994



1.7106, 2.5784, 3.1685

Inverse Universe

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



32.7215, 16.8594, 1.9837



41.3384, 21.2993, 2.4479



37.1630, 25.8807, 3.0384



14.4149, 14.3832, 15.1195



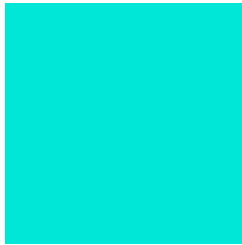
18.5393, 9.5499, 1.2027



1.3835, 0.7111, 0.1599

Previews

White Background



This preview shows how the XYZ color 40.5626, 61.4999, 74.0228 looks on a white background.

Color Contrast Check

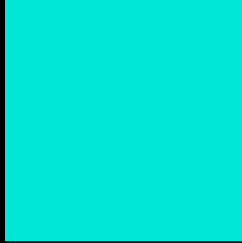
Large Text (above 18pt) WCAG AA × Fail

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 40.5626, 61.4999, 74.0228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

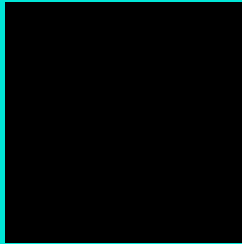
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

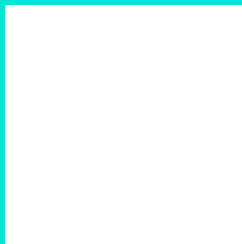
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5626, 61.4999, 74.0228

Background



This preview shows how black text looks on a background with the XYZ color 40.5626, 61.4999, 74.0228.

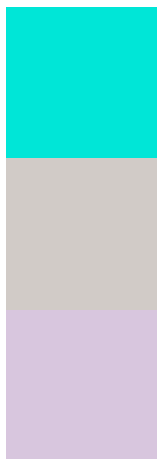


This preview shows how white text looks on a background with the XYZ color 40.5626, 61.4999,

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

40.5626, 61.4999, 74.0228

Protanopia

57.9592, 60.3907, 62.6346

Deuteranopia

61.6978, 60.2610, 77.4870



Tritanopia

45.0468, 61.7086, 95.1247

Trichromacy



Original Color

40.5626, 61.4999, 74.0228



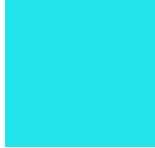
Protanomaly

44.4866, 56.9828, 66.4117



Deuteranomaly

46.1493, 56.5260, 75.4961



Tritanomaly

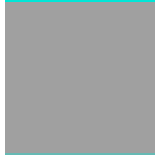
42.8368, 61.1614, 86.6384

Monochromacy



Original Color

40.5626, 61.4999, 74.0228



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.0667, 40.8180, 49.4213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5626, 61.4999, 74.0228 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, 230, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 215)  
}
```

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, 230, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 215) }
```

Border

The CSS property to change the border of an element to XYZ 40.5626, 61.4999, 74.0228 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, 230, 215) }
```


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

```
.border{ border-color:rgb(0, 230, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 230, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5626, 61.4999, 74.0228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 215) }
```

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

```
.background{ background-color: rgb(0, 230,  
215) }
```

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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