

Converting Colors

XYZ(40.8415, 61.3892, 76.1769)

Have a look what the booklet for
XYZ(40.8415, 61.3892, 76.1769)
contains.

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Color

**XYZ(40.9517, 61.6556,
76.0720)**

Conversions

Conversions Part 1

Format	Color
Hex	00E6DA
RGB	0, 230, 218
RGB Percent	0%, 90%, 85%
CMY	0.9998, 0.0980, 0.1451
CMYK	1.00, 0.00, 0.05, 0.10
HSL	177°, 100%, 45%
HSV	177°, 100%, 90%
XYZ	40.9517, 61.6556, 76.0720
YIQ	159.8620, -133.2280, -52.4920

Conversions

Conversions Part 2

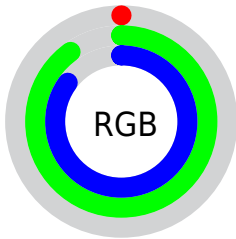
Format	Color
RYB	0, 118, 230
Decimal	59098
CIELab	82.73, -47.92, -7.24
CIELCh	83, 48.462, 188.596
Yxy	61.6556, 0.2292, 0.3451
Android (android.graphics.Color)	4278249178 (0xFF00E6DA)
YUV	159.8620, 28.6620, -140.1990
Hunter-Lab	78.5211, -44.3174, -2.4760

Details

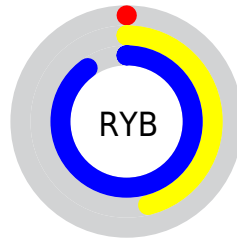
The XYZ color **40.9517, 61.6556, 76.0720** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **32.7015, 16.8514, 1.8786**, and the grayscale version is **33.2741, 35.0070, 38.1226**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **21.7469, 32.9164, 39.8577** is the 20% darker color. If you saturate the color by 10%, you get **40.9525, 61.6574, 76.0716**, and if you desaturate by 10%, it is **41.4651, 61.9034, 76.9205**.

Distribution



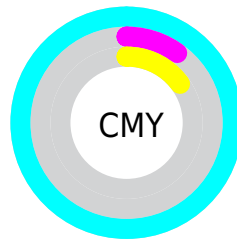
- Red (0%)
- Green (90%)
- Blue (85%)



- Red (0%)
- Yellow (46%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (10%)



- Cyan (100%)
- Magenta (10%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9517, 61.6556, 76.0720 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 40.9517, 61.6556, 76.0720 by changing the saturation by 10% instead.

40.9517, 61.6556,
76.0720

40.9517, 61.6556,
76.0720

341.1847,
430.6737, 500.9475

28.4689, 44.7545,
55.9845

75.8857, 107.2276,
129.5897

18.8216, 31.2641,
39.7866

99.0676, 136.6673,
163.8570

11.6447, 20.8000,
27.0597

126.5466,
171.0553, 203.6880

6.5727, 12.9779,
17.3852

158.6880,
210.7760, 249.5013

3.2403, 7.4133,
10.3447

195.8571,
256.2138, 301.7153

1.2821, 3.7219,
5.5195

238.4194,

0.1697, 1.5193,

307.7531, 360.7487

2.4912

286.7401,
365.7783, 427.0199

■ 0.0000, 0.3022,
0.8355

■ 0.0000, 0.0000,
0.0000

■ 40.9517, 61.6556,
76.0720

■ 40.9517, 61.6556,
76.0720

■ 40.9525, 61.6574,
76.0716

■ 41.4651, 61.9034,
76.9205

■ 42.3985, 62.3663,
77.7933

■ 43.8875, 63.1154,
78.6980

■ 46.0096, 64.1907,
79.6383

■ 48.8302, 65.6261,
80.6173

■ 52.4065, 67.4509,
81.6376

■ 56.7899, 69.6915,
82.7018

■ 62.0270, 72.3722,
83.8119

■ 68.1611, 75.5152,
84.9700

Harmonies

Analogous

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



41.8687, 61.6556, 48.3066



40.9517, 61.6556, 76.0720



44.3060, 61.6556, 109.6286

Triad

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



40.9517, 61.6556, 76.0720



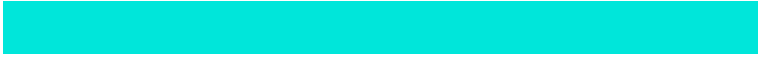
71.9991, 61.6556, 122.6553



66.2159, 61.6556, 26.6497

Complementary

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



40.9517, 61.6556, 76.0720



32.7015, 16.8514, 1.8786

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.



75.6829, 61.6556, 37.3409



40.9517, 61.6556, 76.0720



79.2873, 61.6556, 90.3064

Square

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



40.9517, 61.6556, 76.0720



61.6453, 61.6556, 141.2810



80.7097, 61.6556, 58.9222



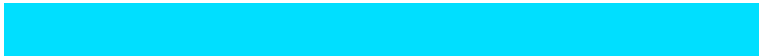
55.6601, 61.6556, 24.9013

Rectangle

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



40.9517, 61.6556, 76.0720



48.7766, 61.6556, 128.9243



80.7097, 61.6556, 58.9222



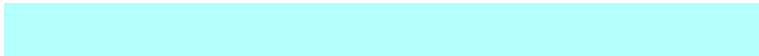
69.6650, 61.6556, 29.1232

Sweetspot

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



40.9535, 61.6579, 76.0735



71.6488, 88.0097, 104.4841



28.5013, 56.7005, 9.4436



14.8074, 18.5675, 22.2405



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.



40.9535, 61.6579, 76.0735



51.7406, 77.9122, 96.0727



22.3144, 21.7744, 77.8922



14.7733, 16.3227, 18.3367



23.1987, 34.9116, 43.1425



1.7243, 2.5839, 3.2409

Inverse Universe

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



32.7015, 16.8514, 1.8786



41.3147, 21.2899, 2.3231



37.1628, 25.8802, 3.0382



14.4073, 14.3801, 15.0794



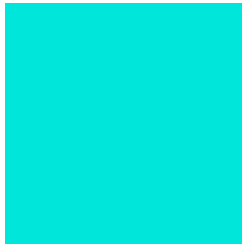
18.5261, 9.5447, 1.1334



1.3798, 0.7096, 0.1407

Previews

White Background



This preview shows how the XYZ color 40.9517, 61.6556, 76.0720 looks on a white background.

Color Contrast Check

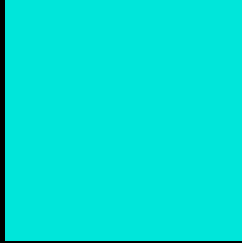
Large Text (above 18pt) WCAG AA × Fail

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 40.9517, 61.6556, 76.0720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

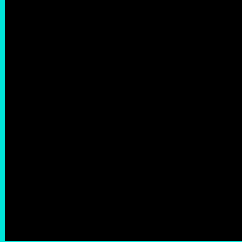
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

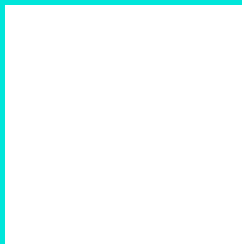
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.9517, 61.6556, 76.0720

Background



This preview shows how black text looks on a background with the XYZ color 40.9517, 61.6556, 76.0720.

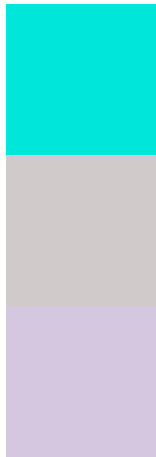


This preview shows how white text looks on a background with the XYZ color 40.9517, 61.6556,

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

40.9517, 61.6556, 76.0720

Protanopia

58.0290, 60.3860, 64.4743

Deuteranopia

61.7456, 60.5792, 79.6728



Tritanopia

44.8907, 61.6282, 95.1174

Trichromacy



Original Color

40.9517, 61.6556, 76.0720



Protanomaly

44.6951, 57.0481, 68.3302



Deuteranomaly

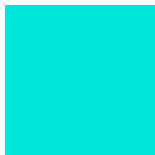
46.3848, 56.6014, 77.5877



Tritanomaly

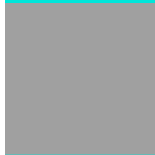
43.0601, 61.2434, 88.1489

Monochromacy



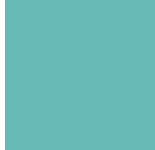
Original Color

40.9517, 61.6556, 76.0720



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.1689, 40.8589, 49.9598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9517, 61.6556, 76.0720 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 218) }
```

Border

The CSS property to change the border of an element to XYZ 40.9517, 61.6556, 76.0720 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, 218) }
```


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

```
.border{ border-color:rgb(0, 230, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 218);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9517, 61.6556, 76.0720 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, 218) }
```

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

```
.background{ background-color: rgb(0, 230,  
218) }
```

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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