

Converting Colors

XYZ(41.8096, 61.1617, 83.0661)

Have a look what the booklet for
XYZ(41.8096, 61.1617, 83.0661)
contains.

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Color

**XYZ(41.7720, 61.1011,
82.9909)**

Conversions

Conversions Part 1

Format	Color
Hex	02E4E4
RGB	2, 228, 228
RGB Percent	1%, 89%, 89%
CMY	0.9919, 0.1059, 0.1059
CMYK	0.99, 0.00, 0.00, 0.11
HSL	180°, 98%, 45%
HSV	180°, 99%, 89%
XYZ	41.7720, 61.1011, 82.9909
YIQ	160.4260, -134.6960, -47.9120

Conversions

Conversions Part 2

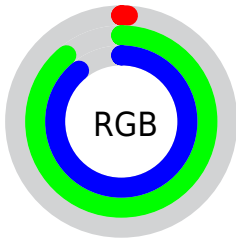
Format	Color
R _Y B	2, 115, 228
Decimal	189668
CIE Lab	82.43, -44.13, -12.98
CIE LCh	82, 46.002, 196.389
Yxy	61.1011, 0.2247, 0.3287
Android (android.graphics.Color)	4278379748 (0xFF02E4E4)
YUV	160.4260, 33.3140, -138.9396
Hunter-Lab	78.1672, -41.4034, -8.2318

Details

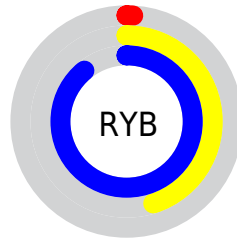
The XYZ color **41.7720, 61.1011, 82.9909** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **32.0295, 16.5437, 1.5643**, and the grayscale version is **33.5144, 35.2598, 38.3979**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **22.2953, 32.5222, 44.6375** is the 20% darker color. If you saturate the color by 10%, you get **41.7481, 61.0901, 82.9912**, and if you desaturate by 10%, it is **42.1455, 61.2950, 83.0099**.

Distribution



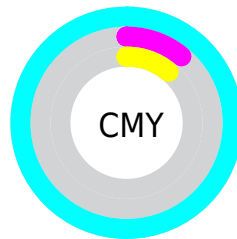
- Red (1%)
- Green (89%)
- Blue (89%)



- Red (1%)
- Yellow (45%)
- Blue (89%)



- Cyan (99%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (99%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7720, 61.1011, 82.9909 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 41.7720, 61.1011, 82.9909 by changing the saturation by 10% instead.

41.7720, 61.1011,
82.9909

41.7720, 61.1011,
82.9909

344.5446,
428.6446, 524.9264

29.1131, 44.3068,
61.6421

77.1218, 106.4253,
139.4118

19.3111, 30.9117,
44.3096

100.5434,
135.7240, 175.3210

12.0006, 20.5317,
30.5750

128.2833,
169.9595, 216.9208

6.8163, 12.7821,
20.0197

160.7068,
209.5164, 264.6296

3.3928, 7.2787,
12.2252

198.1794,
254.7789, 318.8660

1.3647, 3.6370,
6.7728

241.0663,

0.2309, 1.4726,

306.1315, 380.0486

3.2441

289.7329,
363.9586, 448.5959

■ 0.0000, 0.2694,
1.2206

■ 0.0000, 0.0000,
0.0000

■ 41.7720, 61.1011,
82.9909

■ 41.7720, 61.1011,
82.9909

■ 41.7481, 61.0901,
82.9912

■ 42.1455, 61.2950,
83.0099

■ 42.9510, 61.7102,
83.0477

■ 44.3072, 62.4093,
83.1113

■ 46.2887, 63.4308,
83.2041

■ 48.9586, 64.8072,
83.3292

■ 52.3723, 66.5671,
83.4891

■ 56.5796, 68.7360,
83.6861

■ 61.6260, 71.3375,
83.9224

■ 67.5534, 74.3932,
84.1999

Harmonies

Analogous

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



41.5820, 61.1011, 54.5926



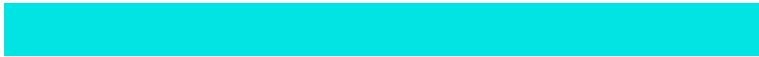
41.7720, 61.1011, 82.9909



45.9954, 61.1011, 113.8897

Triad

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



41.7720, 61.1011, 82.9909



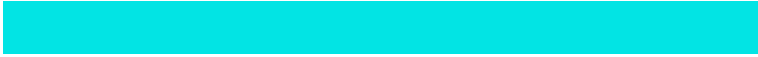
72.8538, 61.1011, 111.2556



62.6344, 61.1011, 26.5840

Complementary

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



41.7720, 61.1011, 82.9909



32.0295, 16.5437, 1.5643

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.



72.1030, 61.1011, 34.5428



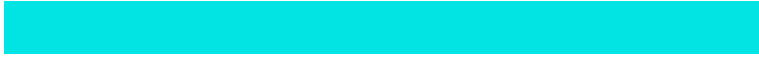
41.7720, 61.1011, 82.9909



78.4370, 61.1011, 80.0889

Square

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



41.7720, 61.1011, 82.9909



63.5696, 61.1011, 133.0967



78.1477, 61.1011, 52.4015



52.9061, 61.1011, 26.9541

Rectangle

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



41.7720, 61.1011, 82.9909



50.8327, 61.1011, 129.4307



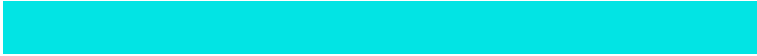
78.1477, 61.1011, 52.4015



65.9739, 61.1011, 28.2504

Sweetspot

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



41.7739, 61.1034, 82.9924



72.2850, 88.2642, 107.8342



27.8285, 55.5307, 9.3109



14.9625, 18.6295, 23.0571



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.



41.7739, 61.1034, 82.9924



53.8097, 78.7399, 106.9685



20.6024, 18.7601, 75.9363



14.8075, 16.3364, 18.5171



24.1061, 35.2746, 47.9207



1.7814, 2.6067, 3.5412

Inverse Universe

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



32.0295, 16.5437, 1.5643



41.2400, 21.2600, 1.9301



37.7206, 27.9258, 3.4612



14.3771, 14.3680, 14.9200



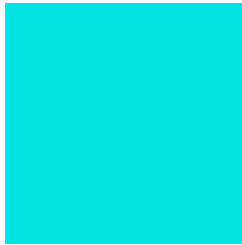
18.4750, 9.5242, 0.8647



1.3652, 0.7038, 0.0639

Previews

White Background



This preview shows how the XYZ color 41.7720, 61.1011, 82.9909 looks on a white background.

Color Contrast Check

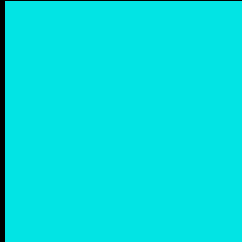
Large Text (above 18pt) WCAG AA × Fail

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 41.7720, 61.1011, 82.9909 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 41.7720, 61.1011, 82.9909

Background



This preview shows how black text looks on a background with the XYZ color 41.7720, 61.1011, 82.9909.



This preview shows how white text looks on a background with the XYZ color 41.7720, 61.1011,

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

41.7720, 61.1011, 82.9909

Protanopia

57.9060, 59.8319, 70.7841

Deuteranopia

61.2019, 59.7962, 86.9134



Tritanopia

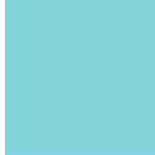
44.4399, 61.3958, 95.0963

Trichromacy



Original Color

41.7720, 61.1011, 82.9909



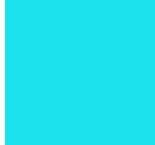
Protanomaly

45.3092, 56.4758, 74.8425



Deuteranomaly

47.0388, 56.4137, 84.7536



Tritanomaly

43.3537, 61.3442, 90.4446

Monochromacy



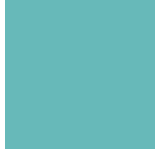
Original Color

41.7720, 61.1011, 82.9909



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.6994, 41.0843, 52.1583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7720, 61.1011, 82.9909 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(2, 228, 228)` looks like.

```
.text, #text, p{  
    color:rgb(2, 228, 228)  
}
```

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(2, 228, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 228, 228) }
```

Border

The CSS property to change the border of an element to XYZ 41.7720, 61.1011, 82.9909 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(2, 228, 228) }
```


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

```
.border{ border-color:rgb(2, 228, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 228, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 228, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 228, 228);  
box-shadow:4px 4px 4px 4px rgb(2, 228,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7720, 61.1011, 82.9909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 228, 228) }
```

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

```
.background{ background-color: rgb(2, 228,  
228) }
```

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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