

Converting Colors

XYZ(41.0095, 66.1189, 62.6848)

Have a look what the booklet for
XYZ(41.0095, 66.1189, 62.6848)
contains.

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Color

**XYZ(41.1239, 66.3057,
62.8554)**

Conversions

Conversions Part 1

Format	Color
Hex	00F0C4
RGB	0, 240, 196
RGB Percent	0%, 94%, 77%
CMY	0.9998, 0.0588, 0.2314
CMYK	1.00, 0.00, 0.18, 0.06
HSL	169°, 100%, 47%
HSV	169°, 100%, 94%
XYZ	41.1239, 66.3057, 62.8554
YIQ	163.2240, -128.9160, -64.5640

Conversions

Conversions Part 2

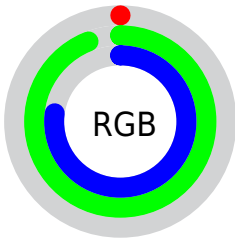
Format	Color
RYB	0, 132, 240
Decimal	61636
CIELab	85.15, -57.83, 7.87
CIELCh	85, 58.362, 172.249
Yxy	66.3057, 0.2415, 0.3894
Android (android.graphics.Color)	4278251716 (0xFF00F0C4)
YUV	163.2240, 16.1586, -143.1474
Hunter-Lab	81.4283, -52.3513, 11.2332

Details

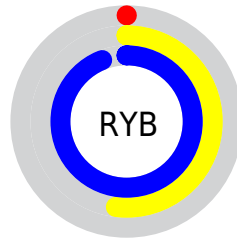
The XYZ color **41.1239, 66.3057, 62.8554** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **36.3924, 18.7090, 4.0803**, and the grayscale version is **34.8950, 36.7123, 39.9797**.

A 20% lighter version of the original color is **60.2997, 82.1226, 105.6016**, and **21.8160, 35.8200, 31.3553** is the 20% darker color. If you saturate the color by 10%, you get **41.1243, 66.3076, 62.8523**, and if you desaturate by 10%, it is **42.0114, 66.7061, 65.5521**.

Distribution



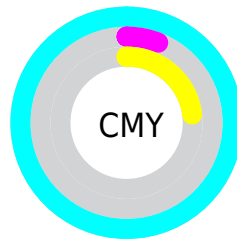
- Red (0%)
- Green (94%)
- Blue (77%)



- Red (0%)
- Yellow (52%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (6%)





- Cyan (100%)
- Magenta (6%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.1239, 66.3057, 62.8554 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 41.1239, 66.3057, 62.8554 by changing the saturation by 10% instead.


 41.1239, 66.3057,
62.8554


 41.1239, 66.3057,
62.8554


341.8919,
447.4694, 453.1380


 28.6040, 48.5206,
45.2840


 76.1455, 113.9250,
110.5444


 18.9242, 34.2393,
31.3366


 99.3778, 144.5280,
141.4991


 11.7192, 23.0775,
20.5947


 126.9118,
180.1724, 177.7520

 6.6236, 14.6508,
12.6397

 159.1126,
221.2426, 219.7216

 3.2721, 8.5747,
7.0531

 196.3457,
268.1230, 267.8265

 1.2992, 4.4648,
3.4164

238.9763,

 0.1826, 1.9368,

321.1980, 322.4851

1.3110

287.3700,
380.8520, 384.1161

■ 0.0000, 0.5704,
0.0708

■ 0.0000, 0.0000,
0.0000

■ 41.1239, 66.3057,
62.8554

■ 41.1239, 66.3057,
62.8554

■ 41.1243, 66.3076,
62.8523

■ 42.0114, 66.7061,
65.5521

■ 43.3779, 67.3501,
68.3472

■ 45.3709, 68.3154,
71.2495

■ 48.0770, 69.6465,
74.2639

■ 51.5688, 71.3809,
77.3942

■ 55.9101, 73.5515,
80.6442

■ 61.1579, 76.1876,
84.0170

■ 67.3643, 79.3161,
87.5157

■ 74.5774, 82.9618,
91.1431

Harmonies

Analogous

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



45.0542, 66.3057, 36.2920



41.1239, 66.3057, 62.8554



42.3801, 66.3057, 103.2636

Triad

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



41.1239, 66.3057, 62.8554



73.0980, 66.3057, 162.2019



79.8202, 66.3057, 28.7134

Complementary

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



41.1239, 66.3057, 62.8554



36.3924, 18.7090, 4.0803

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.



89.4670, 66.3057, 48.0824



41.1239, 66.3057, 62.8554



85.2247, 66.3057, 126.2819

Square

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



41.1239, 66.3057, 62.8554



59.6698, 66.3057, 170.4595



91.5714, 66.3057, 82.4182



66.4966, 66.3057, 21.5597

Rectangle

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



41.1239, 66.3057, 62.8554



46.0830, 66.3057, 132.7154



91.5714, 66.3057, 82.4182



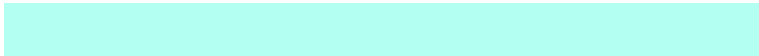
83.6726, 66.3057, 33.6057

Sweetspot

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



41.1257, 66.3083, 62.8570



70.1081, 87.3934, 96.3708



32.3820, 62.9517, 10.4454



14.4339, 18.4181, 20.2733



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.



41.1257, 66.3083, 62.8570



47.1748, 76.0859, 72.0295



29.7347, 34.3027, 87.4949



16.1158, 17.8763, 19.6325



22.5572, 36.3149, 34.6466



1.9085, 3.0338, 3.0505

Inverse Universe

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



36.3924, 18.7090, 4.0803



41.7482, 21.4633, 4.6064



38.2560, 23.1647, 2.4561



15.8912, 15.8062, 16.9831



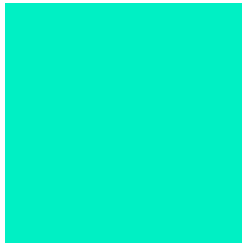
19.9554, 10.2546, 2.4159



1.6928, 0.8662, 0.3734

Previews

White Background



This preview shows how the XYZ color 41.1239, 66.3057, 62.8554 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 41.1239, 66.3057, 62.8554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

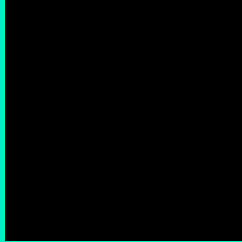
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

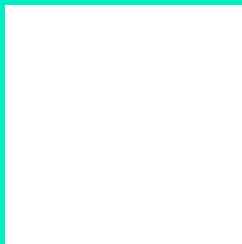
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.1239, 66.3057, 62.8554

Background



This preview shows how black text looks on a background with the XYZ color 41.1239, 66.3057, 62.8554.

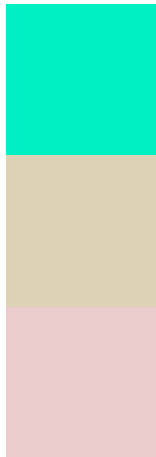


This preview shows how white text looks on a background with the XYZ color 41.1239, 66.3057,

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

41.1239, 66.3057, 62.8554

Protanopia

61.2059, 64.8015, 52.9981

Deuteranopia

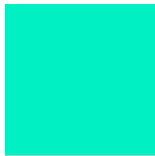
66.4236, 65.0378, 66.1794



Tritanopia

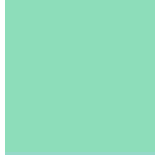
48.8677, 66.0179, 101.4339

Trichromacy



Original Color

41.1239, 66.3057, 62.8554



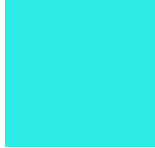
Protanomaly

45.7039, 60.9208, 55.8044



Deuteranomaly

47.7499, 60.2323, 64.3677



Tritanomaly

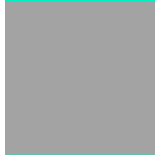
45.2143, 65.7441, 85.9081

Monochromacy



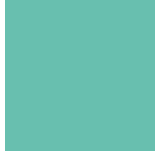
Original Color

41.1239, 66.3057, 62.8554



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.0776, 43.2998, 47.2245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1239, 66.3057, 62.8554 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, 240, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 196)  
}
```

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, 240, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 196) }
```

Border

The CSS property to change the border of an element to XYZ 41.1239, 66.3057, 62.8554 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, 240, 196) }
```


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

```
.border{ border-color:rgb(0, 240, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 240, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 240,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1239, 66.3057, 62.8554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 196) }
```

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

```
.background{ background-color: rgb(0, 240,  
196) }
```

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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