

Converting Colors

XYZ(41.2818, 66.3826, 63.1575)

Have a look what the booklet for
XYZ(41.2818, 66.3826, 63.1575)
contains.

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Color

**XYZ(41.2240, 66.3573,
62.8601)**

Conversions

Conversions Part 1

Format	Color
Hex	08F0C4
RGB	8, 240, 196
RGB Percent	3%, 94%, 77%
CMY	0.9685, 0.0588, 0.2314
CMYK	0.97, 0.00, 0.18, 0.06
HSL	169°, 94%, 49%
HSV	169°, 97%, 94%
XYZ	41.2240, 66.3573, 62.8601
YIQ	165.6160, -124.1480, -62.8680

Conversions

Conversions Part 2

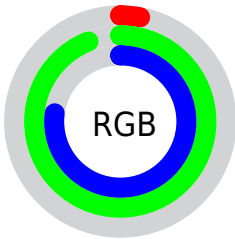
Format	Color
RYB	8, 136, 240
Decimal	585924
CIELab	85.18, -57.64, 7.91
CIELCh	85, 58.176, 172.184
Yxy	66.3573, 0.2419, 0.3893
Android (android.graphics.Color)	4278776004 (0xFF08F0C4)
YUV	165.6160, 14.9793, -138.2292
Hunter-Lab	81.4600, -52.2225, 11.2698

Details

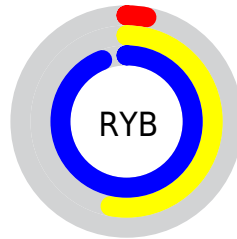
The XYZ color **41.2240, 66.3573, 62.8601** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **36.6445, 18.9487, 4.9797**, and the grayscale version is **36.0396, 37.9165, 41.2910**.

A 20% lighter version of the original color is **60.4291, 82.1893, 105.6077**, and **21.8160, 35.8200, 31.3553** is the 20% darker color. If you saturate the color by 10%, you get **40.9525, 66.2389, 61.9473**, and if you desaturate by 10%, it is **42.2484, 66.8262, 65.6561**.

Distribution



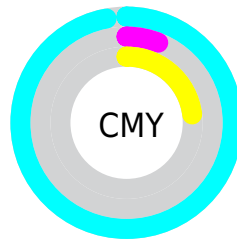
- Red (3%)
- Green (94%)
- Blue (77%)



- Red (3%)
- Yellow (53%)
- Blue (94%)



- Cyan (97%)
- Magenta (0%)
- Yellow (18%)
- Black (6%)





- Cyan (97%)
- Magenta (6%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2240, 66.3573, 62.8601 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 41.2240, 66.3573, 62.8601 by changing the saturation by 10% instead.


 41.2240, 66.3573,
62.8601


 41.2240, 66.3573,
62.8601


342.3026,
447.6536, 453.1555


 28.6826, 48.5625,
45.2878


 76.2964, 113.9990,
110.5513


 18.9839, 34.2726,
31.3396


 99.5581, 144.6147,
141.5072


 11.7626, 23.1031,
20.5969


 127.1239,
180.2728, 177.7614

 6.6533, 14.6696,
12.6413

 159.3592,
221.3578, 219.7324

 3.2906, 8.5879,
7.0542

 196.6294,
268.2539, 267.8388

 1.3092, 4.4733,
3.4171

239.2998,

 0.1901, 1.9417,

321.3457, 322.4991

1.3113

287.7357,
381.0175, 384.1318

■ 0.0000, 0.5733,
0.0711

■ 0.0000, 0.0000,
0.0000

■ 41.2240, 66.3573,
62.8601

■ 41.2240, 66.3573,
62.8601

■ 40.9525, 66.2389,
61.9473

■ 42.2484, 66.8262,
65.6561

■ 43.8267, 67.5772,
68.5594

■ 46.0634, 68.6658,
71.5770

■ 49.0396, 70.1338,
74.7133

■ 52.8247, 72.0169,
77.9725

■ 57.4800, 74.3466,
81.3579

■ 63.0607, 77.1516,
84.8728

■ 69.6175, 80.4578,
88.5203

■ 77.1974, 84.2895,
92.3031

Harmonies

Analogous

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



45.1588, 66.3573, 36.3756



41.2240, 66.3573, 62.8601



42.4668, 66.3573, 103.1263

Triad

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



41.2240, 66.3573, 62.8601



73.0888, 66.3573, 161.9850



79.8465, 66.3573, 28.8704

Complementary

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



41.2240, 66.3573, 62.8601



36.6445, 18.9487, 4.9797

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.



89.4484, 66.3573, 48.2508



41.2240, 66.3573, 62.8601



85.1849, 66.3573, 126.2531

Square

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



41.2240, 66.3573, 62.8601



59.6999, 66.3573, 170.1331



91.5266, 66.3573, 82.5353



66.5659, 66.3573, 21.6924

Rectangle

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



41.2240, 66.3573, 62.8601



46.1555, 66.3573, 132.4744



91.5266, 66.3573, 82.5353



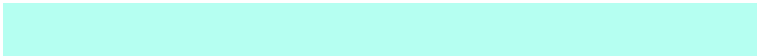
83.6832, 66.3573, 33.7699

Sweetspot

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



41.2259, 66.3599, 62.8617



70.7008, 87.6990, 96.3987



32.7498, 63.1363, 10.6913



14.5422, 18.4743, 20.2632



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.



41.2259, 66.3599, 62.8617



46.9771, 76.0069, 70.9886



30.2819, 35.2484, 87.6486



16.1113, 17.8745, 19.6089



22.4642, 36.2777, 34.1570



1.9016, 3.0311, 3.0140

Inverse Universe

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



36.6445, 18.9487, 4.9797



41.7812, 21.4765, 4.7799



38.6786, 23.9397, 2.8131



15.8953, 15.8078, 17.0048



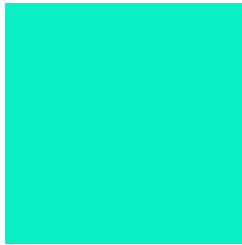
19.9723, 10.2613, 2.5047



1.6948, 0.8670, 0.3839

Previews

White Background



This preview shows how the XYZ color 41.2240, 66.3573, 62.8601 looks on a white background.

Color Contrast Check

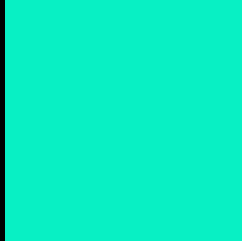
Large Text (above 18pt) WCAG AA × Fail

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 41.2240, 66.3573, 62.8601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

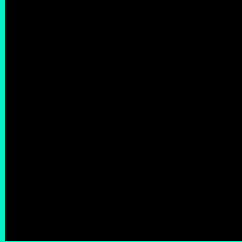
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

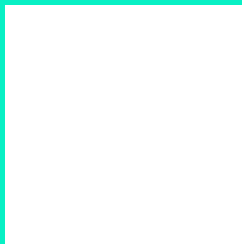
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.2240, 66.3573, 62.8601

Background



This preview shows how black text looks on a background with the XYZ color 41.2240, 66.3573, 62.8601.



This preview shows how white text looks on a background with the XYZ color 41.2240, 66.3573,

Color Blindness Simulation

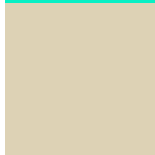
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



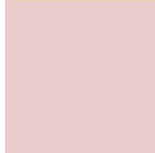
Original Color

41.2240, 66.3573, 62.8601



Protanopia

61.2059, 64.8015, 52.9981



Deuteranopia

66.4236, 65.0378, 66.1794



Tritanopia

48.8677, 66.0179, 101.4339

Trichromacy



Original Color

41.2240, 66.3573, 62.8601



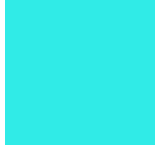
Protanomaly

46.2210, 61.1874, 55.8286



Deuteranomaly

48.3044, 60.5182, 64.3936



Tritanomaly

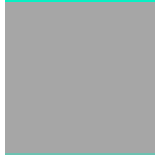
45.3511, 65.8146, 85.9145

Monochromacy



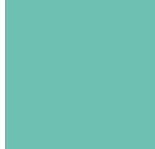
Original Color

41.2240, 66.3573, 62.8601



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.3125, 44.5655, 48.4412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2240, 66.3573, 62.8601 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(8, 240, 196)` looks like.

```
.text, #text, p{  
    color:rgb(8, 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(8, 240, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 240, 196) }
```

Border

The CSS property to change the border of an element to XYZ 41.2240, 66.3573, 62.8601 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(8, 240, 196) }
```


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

```
.border{ border-color:rgb(8, 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(8, 240, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 240, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 240, 196);  
box-shadow:4px 4px 4px 4px rgb(8, 240,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2240, 66.3573, 62.8601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 240, 196) }
```

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

```
.background{ background-color: rgb(8, 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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