

Converting Colors

XYZ(28.5070, 55.9385, 73.5659)

Have a look what the booklet for
XYZ(28.5070, 55.9385, 73.5659)
contains.

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Color

**XYZ(41.1224, 62.6195,
74.2094)**

Conversions

Conversions Part 1

Format	Color
Hex	00E8D7
RGB	0, 232, 215
RGB Percent	0%, 91%, 84%
CMY	0.9998, 0.0902, 0.1569
CMYK	1.00, 0.00, 0.07, 0.09
HSL	176°, 100%, 46%
HSV	176°, 100%, 91%
XYZ	41.1224, 62.6195, 74.2094
YIQ	160.6940, -132.8150, -54.4710

Conversions

Conversions Part 2

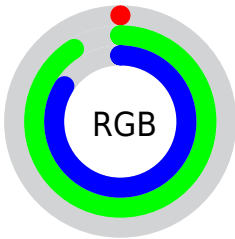
Format	Color
RYB	0, 120, 232
Decimal	59607
CIELab	83.24, -49.60, -4.90
CIELCh	83, 49.841, 185.642
Yxy	62.6195, 0.2311, 0.3519
Android (android.graphics.Color)	4278249687 (0xFF00E8D7)
YUV	160.6940, 26.7729, -140.9286
Hunter-Lab	79.1325, -45.7216, -0.2086

Details

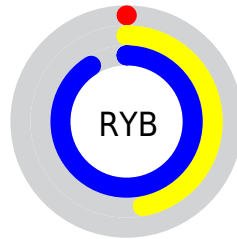
The XYZ color **41.1224, 62.6195, 74.2094** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **33.3821, 17.1983, 2.0929**, and the grayscale version is **33.6669, 35.4202, 38.5726**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **21.6751, 33.1980, 38.5232** is the 20% darker color. If you saturate the color by 10%, you get **41.1230, 62.6213, 74.2080**, and if you desaturate by 10%, it is **41.7025, 62.8946, 75.3847**.

Distribution



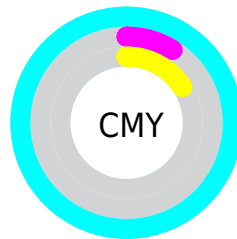
- Red (0%)
- Green (91%)
- Blue (84%)



- Red (0%)
- Yellow (47%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (9%)



- Cyan (100%)
- Magenta (9%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1224, 62.6195, 74.2094 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 41.1224, 62.6195, 74.2094 by changing the saturation by 10% instead.

41.1224, 62.6195,
74.2094

41.1224, 62.6195,
74.2094

341.8858,
434.1873, 494.3785

28.6028, 45.5335,
54.4676

76.1432, 108.6204,
126.9294

18.9233, 31.8778,
38.5799

99.3751, 138.3040,
160.7447

11.7186, 21.2682,
26.1278

126.9086,
172.9556, 200.0882

6.6232, 13.3202,
16.6926

159.1089,
212.9596, 245.3785

3.2718, 7.6494,
9.8560

196.3414,
258.7004, 297.0342

1.2991, 3.8714,
5.1992

238.9715,

0.1825, 1.6019,

310.5623, 355.4737

2.3038

287.3645,
368.9298, 421.1156

■ 0.0000, 0.3589,
0.7334

■ 0.0000, 0.0000,
0.0000

■ 41.1224, 62.6195,
74.2094

■ 41.1224, 62.6195,
74.2094

■ 41.1230, 62.6213,
74.2080

■ 41.7025, 62.8946,
75.3847

■ 42.7127, 63.3897,
76.5907

■ 44.2908, 64.1773,
77.8351

■ 46.5160, 65.2983,
79.1218

■ 49.4553, 66.7871,
80.4539

■ 53.1670, 68.6739,
81.8342

■ 57.7036, 70.9856,
83.2652

■ 63.1127, 73.7469,
84.7491

■ 69.4387, 76.9805,
86.2880

Harmonies

Analogous

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



42.5061, 62.6195, 46.4427



41.1224, 62.6195, 74.2094



44.1614, 62.6195, 109.1283

Triad

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



41.1224, 62.6195, 74.2094



72.4828, 62.6195, 128.9684



68.5171, 62.6195, 27.0331

Complementary

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



41.1224, 62.6195, 74.2094



33.3821, 17.1983, 2.0929

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.



78.0762, 62.6195, 39.0222



41.1224, 62.6195, 74.2094



80.5531, 62.6195, 95.8255

Square

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



41.1224, 62.6195, 74.2094



61.5869, 62.6195, 146.3230



82.7146, 62.6195, 62.4901



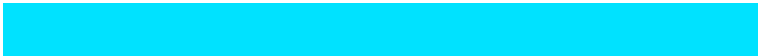
57.4958, 62.6195, 24.4160

Rectangle

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



41.1224, 62.6195, 74.2094



48.5321, 62.6195, 130.1441



82.7146, 62.6195, 62.4901



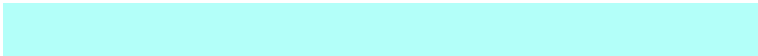
72.0478, 62.6195, 29.8752

Sweetspot

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



41.1242, 62.6219, 74.2109



71.3952, 87.9083, 103.1490



29.1340, 57.8576, 9.6338



14.7458, 18.5428, 21.9157



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.



41.1242, 62.6219, 74.2109



50.9452, 77.5941, 91.8842



23.2809, 23.2551, 79.6081



14.7595, 16.3172, 18.2640



22.8495, 34.7719, 41.3035



1.7022, 2.5750, 3.1244

Inverse Universe

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



33.3821, 17.1983, 2.0929



41.3549, 21.3060, 2.5352



37.5273, 25.6508, 2.9749



14.4196, 14.3850, 15.1442



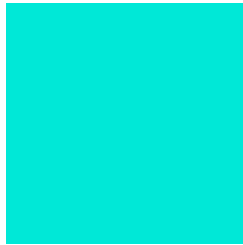
18.5482, 9.5535, 1.2500



1.3857, 0.7120, 0.1717

Previews

White Background



This preview shows how the XYZ color 41.1224, 62.6195, 74.2094 looks on a white background.

Color Contrast Check

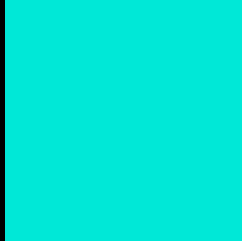
Large Text (above 18pt) WCAG AA × Fail

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 41.1224, 62.6195, 74.2094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

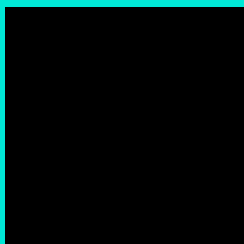
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

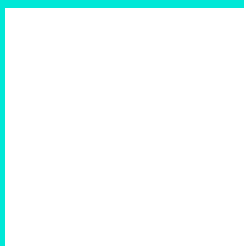
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.1224, 62.6195, 74.2094

Background



This preview shows how black text looks on a background with the XYZ color 41.1224, 62.6195, 74.2094.

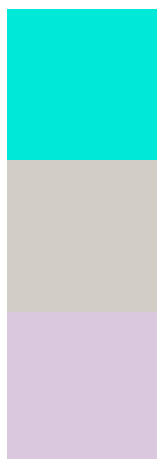


This preview shows how white text looks on a background with the XYZ color 41.1224, 62.6195,

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

41.1224, 62.6195, 74.2094

Protanopia

59.0041, 61.6350, 62.8197

Deuteranopia

62.7525, 61.4879, 77.6682



Tritanopia

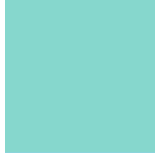
45.6792, 62.4042, 96.8265

Trichromacy



Original Color

41.1224, 62.6195, 74.2094



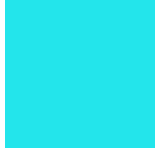
Protanomaly

45.1514, 58.0770, 66.5879



Deuteranomaly

46.9771, 57.6904, 75.6772



Tritanomaly

43.7078, 62.3941, 88.3369

Monochromacy



Original Color

41.1224, 62.6195, 74.2094



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.5903, 41.7016, 50.1003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1224, 62.6195, 74.2094 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, 232, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 232, 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, 232, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 232, 215) }
```

Border

The CSS property to change the border of an element to XYZ 41.1224, 62.6195, 74.2094 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, 232, 215) }
```


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

```
.border{ border-color:rgb(0, 232, 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, 232, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 232, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 232, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 232,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1224, 62.6195, 74.2094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 232, 215) }
```

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

```
.background{ background-color: rgb(0, 232,  
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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