

Converting Colors

XYZ(24.2332, 53.3162, 74.9568)

Have a look what the booklet for
XYZ(24.2332, 53.3162, 74.9568)
contains.

XYZ(41.1003, 62.1616, 75.4778)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.1003, 62.1616,
75.4778)**

Conversions

Conversions Part 1

Format	Color
Hex	00E7D9
RGB	0, 231, 217
RGB Percent	0%, 91%, 85%
CMY	0.9998, 0.0941, 0.1490
CMYK	1.00, 0.00, 0.06, 0.09
HSL	176°, 100%, 45%
HSV	176°, 100%, 91%
XYZ	41.1003, 62.1616, 75.4778
YIQ	160.3350, -133.1820, -53.3260

Conversions

Conversions Part 2

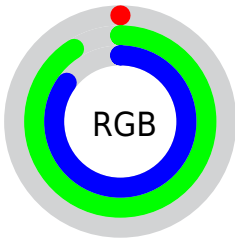
Format	Color
RYB	0, 119, 231
Decimal	59353
CIELab	83.00, -48.62, -6.32
CIELCh	83, 49.030, 187.401
Yxy	62.1616, 0.2299, 0.3478
Android (android.graphics.Color)	4278249433 (0xFF00E7D9)
YUV	160.3350, 27.9358, -140.6138
Hunter-Lab	78.8426, -44.9234, -1.5698

Details

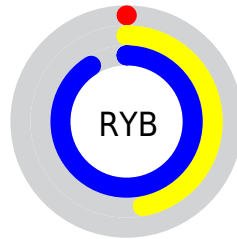
The XYZ color **41.1003, 62.1616, 75.4778** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **33.0363, 17.0225, 1.9619**, and the grayscale version is **33.4952, 35.2396, 38.3759**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **21.6576, 32.8807, 39.3876** is the 20% darker color. If you saturate the color by 10%, you get **41.1011, 62.1634, 75.4771**, and if you desaturate by 10%, it is **41.6413, 62.4208, 76.4596**.

Distribution



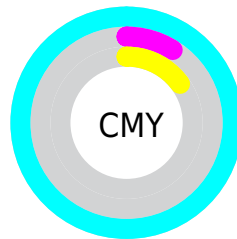
- Red (0%)
- Green (91%)
- Blue (85%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.1003, 62.1616, 75.4778 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 41.1003, 62.1616, 75.4778 by changing the saturation by 10% instead.


 41.1003, 62.1616,
75.4778


 41.1003, 62.1616,
75.4778


341.7951,
432.5203, 498.8574


 28.5855, 45.1633,
55.5003


 76.1099, 107.9591,
128.7418

 18.9102, 31.5861,
39.4011


 99.3353, 137.5270,
162.8654


 11.7090, 21.0455,
26.7617


 126.8617,
172.0536, 202.5414

 6.6166, 13.1573,
17.1635

 159.0544,
211.9232, 248.1885

 3.2677, 7.5369,
10.1879

 196.2787,
257.5203, 300.2251

 1.2969, 3.8001,
5.4165

238.9000,

 0.1809, 1.5624,

309.2293, 359.0697

2.4307

287.2837,
367.4345, 425.1410

■ 0.0000, 0.3320,
0.8031

■ 0.0000, 0.0000,
0.0000

■ 41.1003, 62.1616,
75.4778

■ 41.1003, 62.1616,
75.4778

■ 41.1011, 62.1634,
75.4771

■ 41.6413, 62.4208,
76.4596

■ 42.6072, 62.8974,
77.4680

■ 44.1345, 63.6632,
78.5107

■ 46.3019, 64.7589,
79.5915

■ 49.1753, 66.2183,
80.7136

■ 52.8126, 68.0714,
81.8795

■ 57.2656, 70.3448,
83.0918

■ 62.5817, 73.0629,
84.3527

■ 68.8045, 76.2483,
85.6642

Harmonies

Analogous

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



42.2046, 62.1616, 47.6527



41.1003, 62.1616, 75.4778



44.3357, 62.1616, 109.6506

Triad

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



41.1003, 62.1616, 75.4778



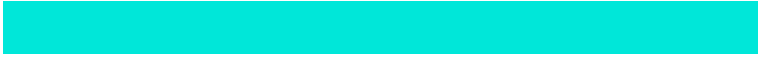
72.3361, 62.1616, 125.3960



67.2597, 62.1616, 26.8534

Complementary

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



41.1003, 62.1616, 75.4778



33.0363, 17.0225, 1.9619

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.



76.7833, 62.1616, 38.0782



41.1003, 62.1616, 75.4778



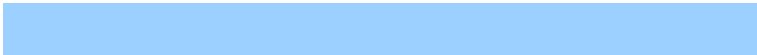
79.9499, 62.1616, 92.6625

Square

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



41.1003, 62.1616, 75.4778



61.7451, 62.1616, 143.5649



81.6676, 62.1616, 60.4450



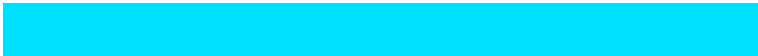
56.4981, 62.1616, 24.7547

Rectangle

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



41.1003, 62.1616, 75.4778



48.7756, 62.1616, 129.6716



81.6676, 62.1616, 60.4450



70.7483, 62.1616, 29.4777

Sweetspot

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



41.1021, 62.1639, 75.4793



71.5472, 87.9691, 103.9492



28.7816, 57.2592, 9.5367



14.7827, 18.5576, 22.1103



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.



41.1021, 62.1639, 75.4793



51.4199, 77.7840, 94.3841



22.5311, 21.9824, 78.6594



14.7677, 16.3205, 18.3076



23.0580, 34.8553, 42.4012



1.7154, 2.5803, 3.1940

Inverse Universe

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



33.0363, 17.0225, 1.9619



41.3295, 21.2958, 2.4015



37.5262, 26.1291, 3.0671



14.4122, 14.3821, 15.1053



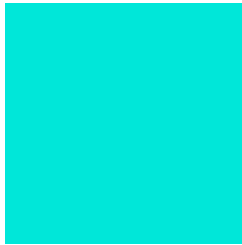
18.5344, 9.5480, 1.1773



1.3822, 0.7106, 0.1531

Previews

White Background



This preview shows how the XYZ color 41.1003, 62.1616, 75.4778 looks on a white background.

Color Contrast Check

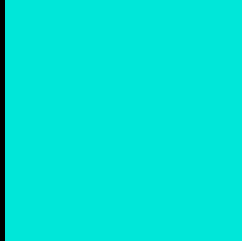
Large Text (above 18pt) WCAG AA × Fail

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 41.1003, 62.1616, 75.4778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

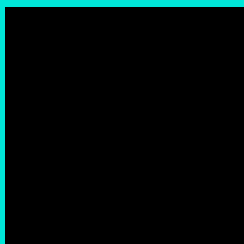
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

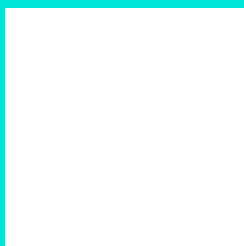
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.1003, 62.1616, 75.4778

Background



This preview shows how black text looks on a background with the XYZ color 41.1003, 62.1616, 75.4778.

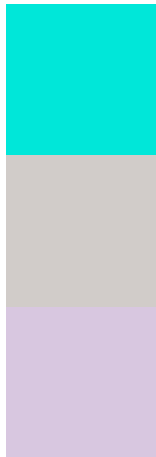


This preview shows how white text looks on a background with the XYZ color 41.1003, 62.1616,

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

41.1003, 62.1616, 75.4778

Protanopia

58.4300, 60.9581, 63.9448

Deuteranopia

62.1969, 60.8276, 78.9838



Tritanopia

45.4187, 62.2876, 96.0151

Trichromacy



Original Color

41.1003, 62.1616, 75.4778



Protanomaly

44.9819, 57.5847, 67.7756



Deuteranomaly

46.6619, 57.1274, 76.9740



Tritanomaly

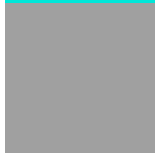
43.3985, 61.8250, 88.2434

Monochromacy



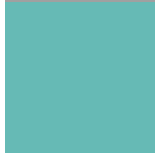
Original Color

41.1003, 62.1616, 75.4778



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.3789, 41.2788, 50.0298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1003, 62.1616, 75.4778 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, 231, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 231, 217)  
}
```

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, 231, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 231, 217) }
```

Border

The CSS property to change the border of an element to XYZ 41.1003, 62.1616, 75.4778 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, 231, 217) }
```


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

```
.border{ border-color:rgb(0, 231, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 231, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 231, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 231, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 231,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1003, 62.1616, 75.4778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 231, 217) }
```

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

```
.background{ background-color: rgb(0, 231,  
217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor