

Converting Colors

XYZ(41.6532, 67.5838, 62.3550)

Have a look what the booklet for
XYZ(41.6532, 67.5838, 62.3550)
contains.

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Color

**XYZ(41.6025, 67.4444,
62.4552)**

Conversions

Conversions Part 1

Format	Color
Hex	00F2C3
RGB	0, 242, 195
RGB Percent	0%, 95%, 76%
CMY	0.9998, 0.0510, 0.2353
CMYK	1.00, 0.00, 0.19, 0.05
HSL	168°, 100%, 47%
HSV	168°, 100%, 95%
XYZ	41.6025, 67.4444, 62.4552
YIQ	164.2840, -129.1450, -65.9210

Conversions

Conversions Part 2

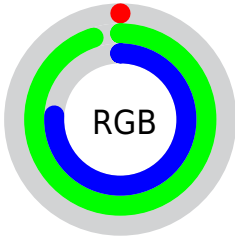
Format	Color
RYB	0, 134, 242
Decimal	62147
CIELab	85.73, -58.85, 9.22
CIELCh	86, 59.567, 171.098
Yxy	67.4444, 0.2426, 0.3933
Android (android.graphics.Color)	4278252227 (0xFF00F2C3)
YUV	164.2840, 15.1430, -144.0771
Hunter-Lab	82.1245, -53.2937, 12.3975

Details

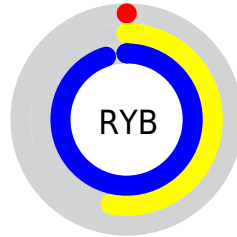
The XYZ color **41.6025, 67.4444, 62.4552** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **37.1338, 19.0845, 4.4208**, and the grayscale version is **35.4033, 37.2470, 40.5620**.

A 20% lighter version of the original color is **60.1407, 82.0590, 104.7647**, and **22.1567, 36.6210, 31.1001** is the 20% darker color. If you saturate the color by 10%, you get **41.6028, 67.4463, 62.4516**, and if you desaturate by 10%, it is **42.5265, 67.8600, 65.3188**.

Distribution



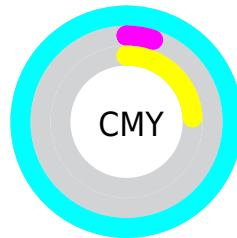
- Red (0%)
- Green (95%)
- Blue (76%)



- Red (0%)
- Yellow (53%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6025, 67.4444, 62.4552 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 41.6025, 67.4444, 62.4552 by changing the saturation by 10% instead.


 41.6025, 67.4444,
62.4552


 41.6025, 67.4444,
62.4552


343.8522,
451.5250, 451.6430


 28.9799, 49.4459,
44.9624


 76.8666, 115.5570,
109.9611


 19.2098, 34.9733,
31.0851


 100.2389,
146.4398, 140.8114


 11.9269, 23.6423,
20.4047

 127.9250,
182.3861, 176.9512

 6.7658, 15.0685,
12.5025

 160.2905,
223.7804, 218.7992

 3.3611, 8.8675,
6.9602

 197.7006,
271.0071, 266.7738

 1.3475, 4.6548,
3.3592

240.5206,

 0.2183, 2.0462,

324.4505, 321.2936

1.2808

289.1161,
384.4950, 382.7771

■ 0.0000, 0.6341,
0.0460

■ 0.0000, 0.0000,
0.0000

■ 41.6025, 67.4444,
62.4552

■ 41.6025, 67.4444,
62.4552

■ 41.6028, 67.4463,
62.4516

■ 42.5265, 67.8600,
65.3188

■ 43.9409, 68.5248,
68.2919

■ 45.9958, 69.5178,
71.3840

■ 48.7795, 70.8846,
74.5998

■ 52.3664, 72.6634,
77.9437

■ 56.8213, 74.8877,
81.4194

■ 62.2027, 77.5875,
85.0303

■ 68.5635, 80.7903,
88.7797

■ 75.9530, 84.5212,
92.6706

Harmonies

Analogous

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



45.8464, 67.4444, 35.7577



41.6025, 67.4444, 62.4552



42.6887, 67.4444, 103.7949

Triad

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



41.6025, 67.4444, 62.4552



73.9754, 67.4444, 167.6946



81.9497, 67.4444, 29.2421

Complementary

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



41.6025, 67.4444, 62.4552



37.1338, 19.0845, 4.4208

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.



91.6975, 67.4444, 49.6612



41.6025, 67.4444, 62.4552



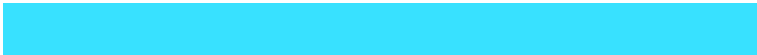
86.6602, 67.4444, 131.1557

Square

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



41.6025, 67.4444, 62.4552



60.1455, 67.4444, 174.9308



93.5334, 67.4444, 85.6327



68.2322, 67.4444, 21.5444

Rectangle

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



41.6025, 67.4444, 62.4552



46.3630, 67.4444, 134.4159



93.5334, 67.4444, 85.6327



85.8757, 67.4444, 34.4153

Sweetspot

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



41.6044, 67.4470, 62.4568



69.9840, 87.3438, 95.7173



32.9931, 64.1456, 10.6437



14.4039, 18.4061, 20.1155



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.



41.6044, 67.4470, 62.4568



46.8357, 75.9503, 70.2437



30.2937, 34.9423, 89.1553



16.1080, 17.8732, 19.5918



22.3976, 36.2511, 33.8066



1.8966, 3.0291, 2.9878

Inverse Universe

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



37.1338, 19.0845, 4.4208



41.8057, 21.4863, 4.9091



38.9780, 23.5950, 2.5012



15.8983, 15.8090, 17.0206



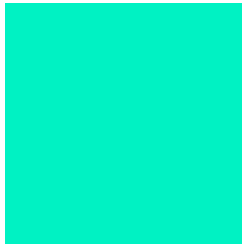
19.9848, 10.2664, 2.5707



1.6963, 0.8676, 0.3916

Previews

White Background



This preview shows how the XYZ color 41.6025, 67.4444, 62.4552 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 41.6025, 67.4444, 62.4552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

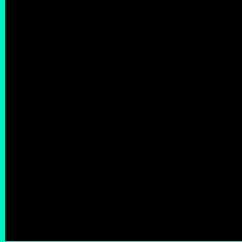
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.6025, 67.4444, 62.4552

Background



This preview shows how black text looks on a background with the XYZ color 41.6025, 67.4444, 62.4552.

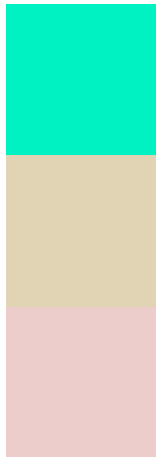


This preview shows how white text looks on a background with the XYZ color 41.6025, 67.4444,

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

41.6025, 67.4444, 62.4552

Protanopia

62.5222, 66.2295, 52.6683

Deuteranopia

67.2029, 65.8073, 65.6600



Tritanopia

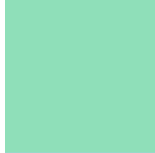
49.8249, 67.3152, 103.2956

Trichromacy



Original Color

41.6025, 67.4444, 62.4552



Protanomaly

46.4723, 62.1178, 55.4395



Deuteranomaly

48.0744, 60.7970, 63.8448



Tritanomaly

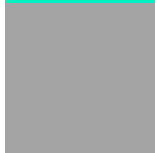
45.9764, 66.9754, 86.8483

Monochromacy



Original Color

41.6025, 67.4444, 62.4552



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.2964, 43.7375, 47.2974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6025, 67.4444, 62.4552 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, 242, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 195)  
}
```

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, 242, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 195) }
```

Border

The CSS property to change the border of an element to XYZ 41.6025, 67.4444, 62.4552 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, 242, 195) }
```


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

```
.border{ border-color:rgb(0, 242, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 242, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6025, 67.4444, 62.4552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 195) }
```

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

```
.background{ background-color: rgb(0, 242,  
195) }
```

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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