

Converting Colors

XYZ(20.8881, 54.0142, 70.2721)

Have a look what the booklet for
XYZ(20.8881, 54.0142, 70.2721)
contains.

XYZ(41.6283, 64.6440, 71.2563)	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(41.6283, 64.6440,
71.2563)**

Conversions

Conversions Part 1

Format	Color
Hex	00ECD2
RGB	0, 236, 210
RGB Percent	0%, 93%, 82%
CMY	0.9998, 0.0745, 0.1765
CMYK	1.00, 0.00, 0.11, 0.07
HSL	173°, 100%, 46%
HSV	173°, 100%, 93%
XYZ	41.6283, 64.6440, 71.2563
YIQ	162.4720, -132.3100, -58.1180

Conversions

Conversions Part 2

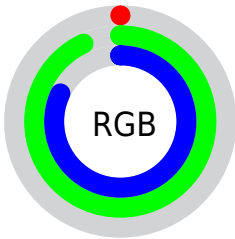
Format	Color
RYB	0, 125, 236
Decimal	60626
CIELab	84.30, -52.62, -0.71
CIELCh	84, 52.621, 180.773
Yxy	64.6440, 0.2345, 0.3641
Android (android.graphics.Color)	4278250706 (0xFF00ECD2)
YUV	162.4720, 23.4313, -142.4879
Hunter-Lab	80.4015, -48.2833, 3.7349

Details

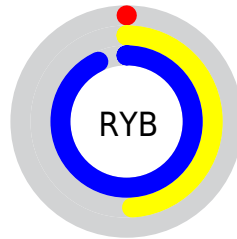
The XYZ color **41.6283, 64.6440, 71.2563** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **34.7808, 17.9094, 2.6040**, and the grayscale version is **34.5097, 36.3069, 39.5382**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **22.1208, 34.6405, 36.9729** is the 20% darker color. If you saturate the color by 10%, you get **41.6288, 64.6459, 71.2542**, and if you desaturate by 10%, it is **42.3247, 64.9668, 72.9957**.

Distribution



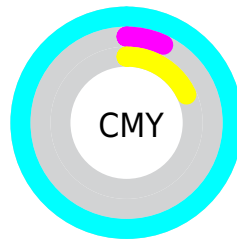
- Red (0%)
- Green (93%)
- Blue (82%)



- Red (0%)
- Yellow (49%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (7%)



- Cyan (100%)
- Magenta (7%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6283, 64.6440, 71.2563 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 41.6283, 64.6440, 71.2563 by changing the saturation by 10% instead.

41.6283, 64.6440,
71.2563

41.6283, 64.6440,
71.2563

343.9577,
441.5116, 483.8567

29.0002, 47.1725,
52.0683

76.9055, 111.5379,
122.6965

19.2252, 33.1720,
36.6769

100.2852,
141.7290, 155.7857

11.9381, 22.2583,
24.6636

127.9796,
176.9288, 194.3457

6.7735, 14.0468,
15.6099

160.3539,
217.5217, 238.7950

3.3659, 8.1532,
9.0972

197.7735,
263.8920, 289.5523

1.3501, 4.1931,
4.7069

240.6037,

0.2202, 1.7822,

316.4241, 347.0359

2.0206

289.2100,
375.5025, 411.6645

■ 0.0000, 0.4760,
0.5679

■ 0.0000, 0.0000,
0.0000

■ 41.6283, 64.6440,
71.2563

■ 41.6283, 64.6440,
71.2563

■ 41.6288, 64.6459,
71.2542

■ 42.3247, 64.9668,
72.9957

■ 43.4722, 65.5200,
74.7824

■ 45.2133, 66.3786,
76.6246

■ 47.6309, 67.5853,
78.5264

■ 50.7947, 69.1761,
80.4910

■ 54.7657, 71.1824,
82.5216

■ 59.5984, 73.6323,
84.6207

■ 65.3429, 76.5516,
86.7909

■ 72.0451, 79.9640,
89.0343

Harmonies

Analogous

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



43.8691, 64.6440, 43.4434



41.6283, 64.6440, 71.2563



44.1112, 64.6440, 108.6440

Triad

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



41.6283, 64.6440, 71.2563



73.6505, 64.6440, 141.2845



73.0608, 64.6440, 27.8853

Complementary

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



41.6283, 64.6440, 71.2563



34.7808, 17.9094, 2.6040

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.



82.8050, 64.6440, 42.3646



41.6283, 64.6440, 71.2563



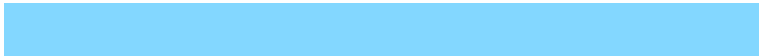
83.1746, 64.6440, 106.6520

Square

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



41.6283, 64.6440, 71.2563



61.7452, 64.6440, 156.1644



86.7165, 64.6440, 69.5235



61.1402, 64.6440, 23.7043

Rectangle

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



41.6283, 64.6440, 71.2563



48.3181, 64.6440, 132.8138



86.7165, 64.6440, 69.5235



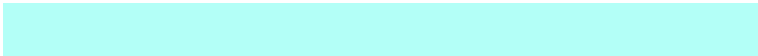
76.7504, 64.6440, 31.4235

Sweetspot

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



41.6302, 64.6465, 71.2578



70.9572, 87.7331, 100.8424



30.4642, 60.2340, 10.0221



14.6394, 18.5003, 21.3556



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.



41.6302, 64.6465, 71.2578



49.6113, 77.0605, 84.8597



25.3518, 26.4774, 83.1340



15.4420, 17.0916, 19.0104



22.9758, 35.6448, 39.4330



1.8246, 2.8072, 3.2041

Inverse Universe

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



34.7808, 17.9094, 2.6040



41.4508, 21.3443, 3.0401



38.2919, 25.2303, 2.8532



15.1329, 15.0810, 15.9854



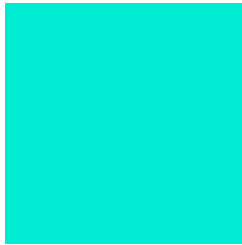
19.1936, 9.8801, 1.5550



1.5296, 0.7848, 0.2403

Previews

White Background



This preview shows how the XYZ color 41.6283, 64.6440, 71.2563 looks on a white background.

Color Contrast Check

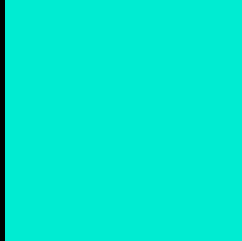
Large Text (above 18pt) WCAG AA × Fail

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 41.6283, 64.6440, 71.2563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

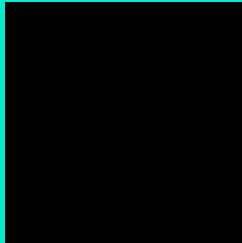
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

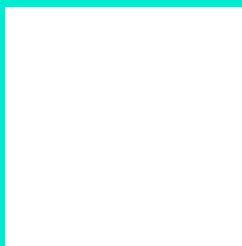
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.6283, 64.6440, 71.2563

Background



This preview shows how black text looks on a background with the XYZ color 41.6283, 64.6440, 71.2563.

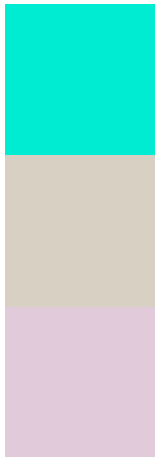


This preview shows how white text looks on a background with the XYZ color 41.6283, 64.6440,

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

41.6283, 64.6440, 71.2563

Protanopia

60.6124, 63.6057, 60.1215

Deuteranopia

64.6963, 63.2584, 74.4459



Tritanopia

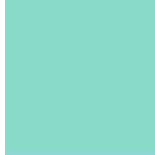
47.3202, 64.4253, 99.5638

Trichromacy



Original Color

41.6283, 64.6440, 71.2563



Protanomaly

45.8133, 59.6313, 63.7390



Deuteranomaly

47.5119, 58.7878, 72.4614



Tritanomaly

44.6887, 64.1427, 88.6227

Monochromacy



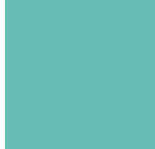
Original Color

41.6283, 64.6440, 71.2563



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.9278, 42.5334, 49.1748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6283, 64.6440, 71.2563 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, 236, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 236, 210)  
}
```

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, 236, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 236, 210) }
```

Border

The CSS property to change the border of an element to XYZ 41.6283, 64.6440, 71.2563 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, 236, 210) }
```


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

```
.border{ border-color:rgb(0, 236, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 236, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 236, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 236, 210); box-shadow:4px 4px 4px 4px rgb(0, 236, 210) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6283, 64.6440, 71.2563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 236, 210) }
```

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

```
.background{ background-color: rgb(0, 236,  
210) }
```

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