

Converting Colors

XYZ(25.1566, 56.0247, 82.6798)

Have a look what the booklet for
XYZ(25.1566, 56.0247, 82.6798)
contains.

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Color

**XYZ(43.9990, 65.5923,
83.7404)**

Conversions

Conversions Part 1

Format	Color
Hex	00ECE4
RGB	0, 236, 228
RGB Percent	0%, 93%, 89%
CMY	0.9998, 0.0745, 0.1059
CMYK	1.00, 0.00, 0.03, 0.07
HSL	178°, 100%, 46%
HSV	178°, 100%, 93%
XYZ	43.9990, 65.5923, 83.7404
YIQ	164.5240, -138.0880, -52.5200

Conversions

Conversions Part 2

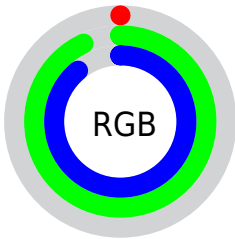
Format	Color
RYB	0, 120, 236
Decimal	60644
CIELab	84.79, -47.64, -9.47
CIELCh	85, 48.576, 191.240
Yxy	65.5923, 0.2276, 0.3393
Android (android.graphics.Color)	4278250724 (0xFF00ECE4)
YUV	164.5240, 31.2937, -144.2875
Hunter-Lab	80.9891, -44.7570, -4.6118

Details

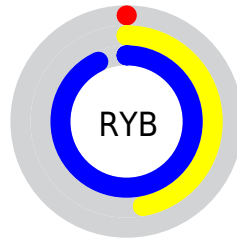
The XYZ color **43.9990, 65.5923, 83.7404** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **34.6380, 17.8523, 1.8516**, and the grayscale version is **35.4477, 37.2937, 40.6129**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **23.6629, 35.2573, 45.0933** is the 20% darker color. If you saturate the color by 10%, you get **44.0000, 65.5943, 83.7405**, and if you desaturate by 10%, it is **44.4802, 65.8290, 84.3458**.

Distribution



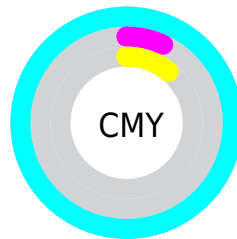
- Red (0%)
- Green (93%)
- Blue (89%)



- Red (0%)
- Yellow (47%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.9990, 65.5923, 83.7404 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 43.9990, 65.5923, 83.7404 by changing the saturation by 10% instead.


 43.9990, 65.5923,
83.7404


 43.9990, 65.5923,
83.7404


353.5565,
444.9174, 527.4863


 30.8676, 47.9415,
62.2570


 80.4626, 112.9010,
140.4705


 20.6494, 33.7806,
44.8032


 104.5255,
143.3277, 176.5542


 12.9790, 22.7251,
30.9607


 132.9630,
178.7818, 218.3418

 7.4910, 14.3906,
20.3107

 166.1405,
219.6477, 266.2517

 3.8200, 8.3929,
12.4348

 204.4232,
266.3098, 320.7026

 1.6008, 4.3473,
6.9144

248.1765,

 0.3930, 1.8697,

319.1525, 382.1130

3.3310

297.7658,
378.5603, 450.9014

■ 0.0000, 0.5301,
1.2660

■ 0.0000, 0.0000,
0.0337

■ 43.9990, 65.5923,
83.7404

■ 43.9990, 65.5923,
83.7404

■ 44.0000, 65.5943,
83.7405

■ 44.4802, 65.8290,
84.3458

■ 45.4077, 66.2942,
84.9733

■ 46.9241, 67.0629,
85.6311

■ 49.1121, 68.1778,
86.3230

■ 52.0415, 69.6749,
87.0523

■ 55.7732, 71.5855,
87.8218

■ 60.3618, 73.9378,
88.6341

■ 65.8573, 76.7575,
89.4916

■ 72.3055, 80.0683,
90.3964

Harmonies

Analogous

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



44.5642, 65.5923, 53.8364



43.9990, 65.5923, 83.7404



47.9030, 65.5923, 118.6234

Triad

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



43.9990, 65.5923, 83.7404



77.1707, 65.5923, 126.5862



69.3141, 65.5923, 28.3941

Complementary

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



43.9990, 65.5923, 83.7404



34.6380, 17.8523, 1.8516

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.



79.4285, 65.5923, 38.7654



43.9990, 65.5923, 83.7404



84.3159, 65.5923, 92.4648

Square

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



43.9990, 65.5923, 83.7404



66.5092, 65.5923, 147.7416



85.1871, 65.5923, 60.3695



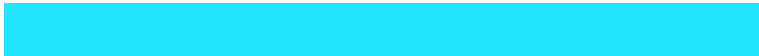
58.3555, 65.5923, 27.3089

Rectangle

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



43.9990, 65.5923, 83.7404



52.8129, 65.5923, 137.8410



85.1871, 65.5923, 60.3695



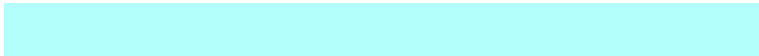
72.9568, 65.5923, 30.7297

Sweetspot

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



44.0010, 65.5948, 83.7420



71.8701, 88.0983, 105.6496



30.1463, 60.0701, 10.0074



14.8613, 18.5891, 22.5243



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.



44.0010, 65.5948, 83.7420



52.4487, 78.1955, 99.8013



23.1012, 21.9760, 82.3837



15.4943, 17.1125, 19.2859



24.2631, 36.1597, 46.2118



1.9122, 2.8422, 3.6653

Inverse Universe

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



34.6380, 17.8523, 1.8516



41.2874, 21.2790, 2.1795



39.7715, 28.1896, 3.3466



15.0862, 15.0623, 15.7391



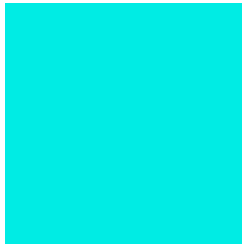
19.1014, 9.8433, 1.0695



1.5072, 0.7759, 0.1225

Previews

White Background



This preview shows how the XYZ color 43.9990, 65.5923, 83.7404 looks on a white background.

Color Contrast Check

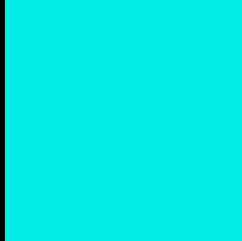
Large Text (above 18pt) WCAG AA × Fail

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 43.9990, 65.5923, 83.7404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

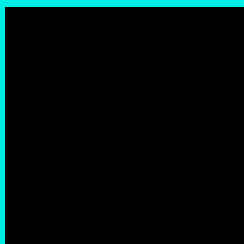
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

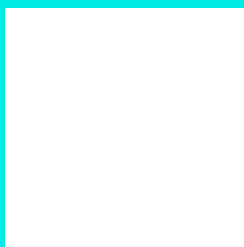
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.9990, 65.5923, 83.7404

Background



This preview shows how black text looks on a background with the XYZ color 43.9990, 65.5923, 83.7404.

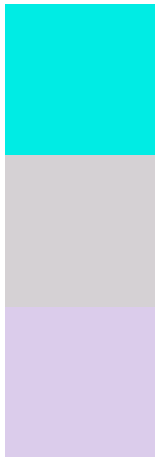


This preview shows how white text looks on a background with the XYZ color 43.9990, 65.5923,

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

43.9990, 65.5923, 83.7404

Protanopia

62.1247, 64.5005, 71.4629

Deuteranopia

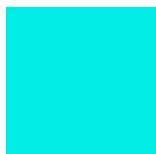
65.8017, 64.2440, 87.5295



Tritanopia

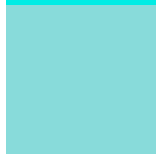
47.5846, 65.3564, 101.3739

Trichromacy



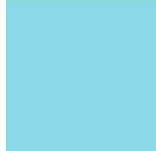
Original Color

43.9990, 65.5923, 83.7404



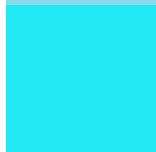
Protanomaly

48.1397, 60.9592, 75.5587



Deuteranomaly

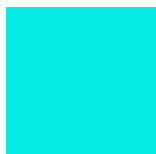
49.7688, 60.4269, 85.3844



Tritanomaly

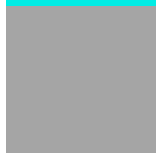
45.9122, 65.0560, 94.9312

Monochromacy



Original Color

43.9990, 65.5923, 83.7404



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.5336, 43.8957, 54.2823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.9990, 65.5923, 83.7404 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 236, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 236, 228) }
```

Border

The CSS property to change the border of an element to XYZ 43.9990, 65.5923, 83.7404 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, 228) }
```


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

```
.border{ border-color:rgb(0, 236, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 236, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 236, 228);  
box-shadow:4px 4px 4px 4px rgb(0, 236,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 43.9990, 65.5923, 83.7404 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, 228) }
```

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

```
.background{ background-color: rgb(0, 236,  
228) }
```

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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