

Converting Colors

XYZ(27.0858, 55.2480, 83.1326)

Have a look what the booklet for
XYZ(27.0858, 55.2480, 83.1326)
contains.

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Color

**XYZ(42.9995, 63.3704,
84.0941)**

Conversions

Conversions Part 1

Format	Color
Hex	00E8E5
RGB	0, 232, 229
RGB Percent	0%, 91%, 90%
CMY	0.9998, 0.0902, 0.1020
CMYK	1.00, 0.00, 0.01, 0.09
HSL	179°, 100%, 46%
HSV	179°, 100%, 91%
XYZ	42.9995, 63.3704, 84.0941
YIQ	162.2900, -137.3090, -50.1170

Conversions

Conversions Part 2

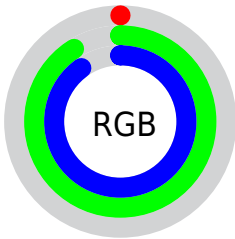
Format	Color
RYB	0, 117, 232
Decimal	59621
CIELab	83.64, -45.63, -11.71
CIELCh	84, 47.113, 194.393
Yxy	63.3704, 0.2258, 0.3327
Android (android.graphics.Color)	4278249701 (0xFF00E8E5)
YUV	162.2900, 32.8880, -142.3283
Hunter-Lab	79.6055, -42.8916, -6.9092

Details

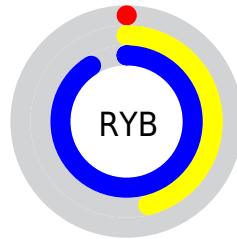
The XYZ color **42.9995, 63.3704, 84.0941** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **33.2973, 17.1644, 1.6461**, and the grayscale version is **34.3847, 36.1754, 39.3950**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **22.9700, 33.7159, 45.3416** is the 20% darker color. If you saturate the color by 10%, you get **43.0005, 63.3723, 84.0950**, and if you desaturate by 10%, it is **43.4020, 63.5744, 84.3334**.

Distribution



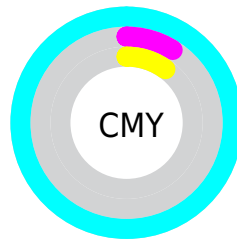
- Red (0%)
- Green (91%)
- Blue (90%)



- Red (0%)
- Yellow (46%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



- Cyan (100%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9995, 63.3704, 84.0941 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 42.9995, 63.3704, 84.0941 by changing the saturation by 10% instead.

42.9995, 63.3704,
84.0941

42.9995, 63.3704,
84.0941

349.5313,
436.9125, 528.6919

30.0792, 46.1409,
62.5473

78.9658, 109.7037,
140.9697

20.0471, 32.3570,
45.0364

102.7426,
139.5763, 177.1356

12.5378, 21.6344,
31.1430

130.8689,
174.4321, 219.0115

7.1858, 13.5885,
20.4484

163.7102,
214.6555, 267.0162

3.6259, 7.8350,
12.5341

201.6317,
260.6308, 321.5680

1.4928, 3.9896,
6.9816

244.9988,

0.3209, 1.6677,

312.7425, 383.0855

3.3723

294.1768,
371.3749, 451.9873

■ 0.0000, 0.4026,
1.2877

■ 0.0000, 0.0000,
0.0517

■ 42.9995, 63.3704,
84.0941

■ 42.9995, 63.3704,
84.0941

■ 43.0005, 63.3723,
84.0950

■ 43.4020, 63.5744,
84.3334

■ 44.2323, 63.9976,
84.5917

■ 45.6283, 64.7124,
84.8769

■ 47.6694, 65.7597,
85.1926

■ 50.4222, 67.1740,
85.5420

■ 53.9452, 68.9853,
85.9279

■ 58.2908, 71.2206,
86.3526

■ 63.5068, 73.9046,
86.8184

■ 69.6373, 77.0601,
87.3274

Harmonies

Analogous

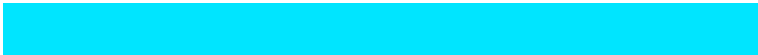
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.0865, 63.3704, 54.8254



42.9995, 63.3704, 84.0941



47.1488, 63.3704, 116.8202

Triad

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



42.9995, 63.3704, 84.0941



75.1901, 63.3704, 118.0335



65.7237, 63.3704, 27.4940

Complementary

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



42.9995, 63.3704, 84.0941



33.2973, 17.1644, 1.6461

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.



75.5352, 63.3704, 36.4177



42.9995, 63.3704, 84.0941



81.4110, 63.3704, 85.4277

Square

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



42.9995, 63.3704, 84.0941



65.2943, 63.3704, 139.8874



81.5441, 63.3704, 55.8289



55.4377, 63.3704, 27.3257

Rectangle

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



42.9995, 63.3704, 84.0941



52.0642, 63.3704, 133.8969



81.5441, 63.3704, 55.8289



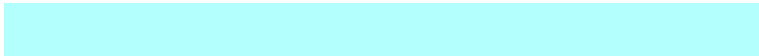
69.2115, 63.3704, 29.4234

Sweetspot

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



43.0014, 63.3728, 84.0956



72.1260, 88.2006, 106.9972



28.9071, 57.7406, 9.6233



14.9237, 18.6140, 22.8529



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.



43.0014, 63.3728, 84.0956



53.2831, 78.5293, 104.1955



21.2710, 19.2353, 78.9381



14.7990, 16.3330, 18.4723



23.8753, 35.1822, 46.7053



1.7669, 2.6009, 3.4651

Inverse Universe

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



33.2973, 17.1644, 1.6461



41.2581, 21.2672, 2.0252



39.0928, 28.7817, 3.4968



14.3845, 14.3710, 14.9594



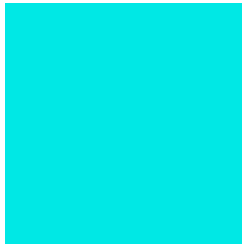
18.4877, 9.5293, 0.9313



1.3689, 0.7053, 0.0829

Previews

White Background



This preview shows how the XYZ color 42.9995, 63.3704, 84.0941 looks on a white background.

Color Contrast Check

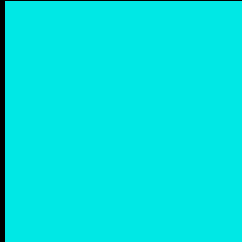
Large Text (above 18pt) WCAG AA × Fail

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 42.9995, 63.3704, 84.0941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

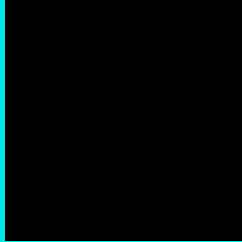
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

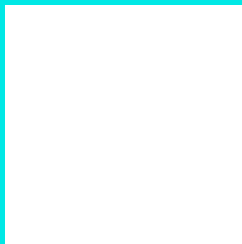
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.9995, 63.3704, 84.0941

Background



This preview shows how black text looks on a background with the XYZ color 42.9995, 63.3704, 84.0941.



This preview shows how white text looks on a background with the XYZ color 42.9995, 63.3704,

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

42.9995, 63.3704, 84.0941

Protanopia

60.0940, 62.3566, 71.8195

Deuteranopia

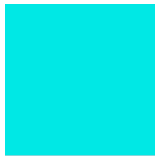
63.4675, 61.9756, 87.9743



Tritanopia

46.0448, 63.3738, 98.6125

Trichromacy



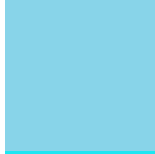
Original Color

42.9995, 63.3704, 84.0941



Protanomaly

46.6023, 58.6209, 75.8766



Deuteranomaly

48.4048, 58.2044, 85.7742



Tritanomaly

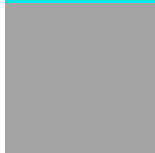
44.6807, 63.2057, 93.0641

Monochromacy



Original Color

42.9995, 63.3704, 84.0941



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

32.2268, 41.9694, 52.8567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9995, 63.3704, 84.0941 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 232, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 232, 229) }
```

Border

The CSS property to change the border of an element to XYZ 42.9995, 63.3704, 84.0941 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, 229) }
```


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

```
.border{ border-color:rgb(0, 232, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 232, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 232, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 232,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9995, 63.3704, 84.0941 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, 229) }
```

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

```
.background{ background-color: rgb(0, 232,  
229) }
```

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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