

Converting Colors

XYZ(43.9676, 63.7954, 85.0776)

Have a look what the booklet for
XYZ(43.9676, 63.7954, 85.0776)
contains.

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Color

**XYZ(43.9762, 63.8577,
84.8709)**

Conversions

Conversions Part 1

Format	Color
Hex	27E8E6
RGB	39, 232, 230
RGB Percent	15%, 91%, 90%
CMY	0.8470, 0.0902, 0.0980
CMYK	0.83, 0.00, 0.01, 0.09
HSL	179°, 81%, 53%
HSV	179°, 83%, 91%
XYZ	43.9762, 63.8577, 84.8709
YIQ	174.0650, -114.3860, -41.5380

Conversions

Conversions Part 2

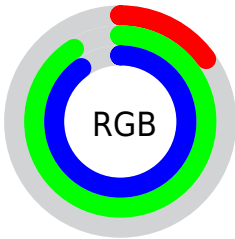
Format	Color
R _Y B	39, 136, 232
Decimal	2615526
CIE Lab	83.89, -43.85, -11.83
CIE LCh	84, 45.417, 195.104
Yxy	63.8577, 0.2282, 0.3314
Android (android.graphics.Color)	4280805606 (0xFF27E8E6)
YUV	174.0650, 27.5760, -118.4520
Hunter-Lab	79.9110, -41.6131, -7.0323

Details

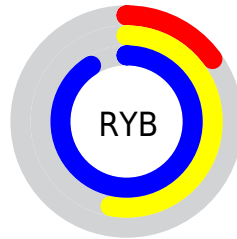
The XYZ color **43.9762, 63.8577, 84.8709** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **34.4065, 18.7689, 3.9090**, and the grayscale version is **40.1740, 42.2662, 46.0279**.

A 20% lighter version of the original color is **62.1222, 83.0251, 107.3590**, and **23.2632, 34.1458, 45.9221** is the 20% darker color. If you saturate the color by 10%, you get **43.3175, 63.5234, 84.6652**, and if you desaturate by 10%, it is **45.1749, 64.4731, 85.1050**.

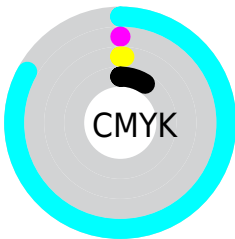
Distribution



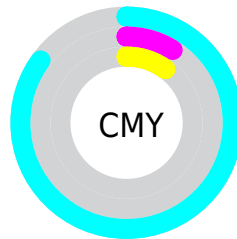
- Red (15%)
- Green (91%)
- Blue (90%)



- Red (15%)
- Yellow (53%)
- Blue (91%)



- Cyan (83%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)





- Cyan (85%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.9762, 63.8577, 84.8709 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 43.9762, 63.8577, 84.8709 by changing the saturation by 10% instead.


 43.9762, 63.8577,
84.8709

 43.9762, 63.8577,
84.8709


353.4650,
438.6756, 531.3342


 30.8496, 46.5354,
63.1852


 80.4285, 110.4060,
142.0654


 20.6356, 32.6685,
45.5491


 104.4849,
140.4008, 178.4112

 12.9689, 21.8727,
31.5440


 132.9154,
175.3885, 220.4807

 7.4840, 13.7634,
20.7515

 166.0852,
215.7536, 268.6926

 3.8156, 7.9563,
12.7530

204.3597,
261.8805, 323.4654

 1.5983, 4.0670,
7.1300

248.1042,

 0.3913, 1.7111,

314.1535, 385.2176

3.4638

297.6842,
372.9571, 454.3677

■ 0.0000, 0.4308,
1.3361

■ 0.0000, 0.0000,
0.0911

■ 43.9762, 63.8577,
84.8709

■ 43.9762, 63.8577,
84.8709

■ 43.3175, 63.5234,
84.6652

■ 45.1749, 64.4731,
85.1050

■ 43.0839, 63.4057,
84.5342

■ 46.9929, 65.4065,
85.3669

■ 49.5023, 66.6962,
85.6614

■ 52.7639, 68.3737,
85.9913

■ 56.8318, 70.4668,
86.3592

■ 61.7552, 73.0010,
86.7674

■ 67.5793, 75.9995,
87.2180

■ 74.3461, 79.4839,
87.7129

■ 82.0951, 83.4748,
88.2541

Harmonies

Analogous

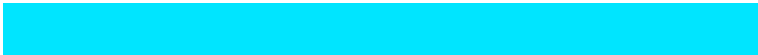
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.9616, 63.8577, 56.3273



43.9762, 63.8577, 84.8709



48.1228, 63.8577, 116.2280

Triad

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



43.9762, 63.8577, 84.8709



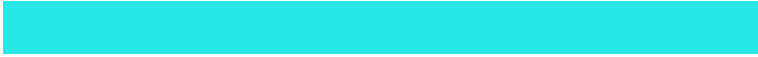
75.3425, 63.8577, 116.0286



65.7671, 63.8577, 28.7688

Complementary

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



43.9762, 63.8577, 84.8709



34.4065, 18.7689, 3.9090

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.



75.2854, 63.8577, 37.3902



43.9762, 63.8577, 84.8709



81.2121, 63.8577, 84.6501

Square

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



43.9762, 63.8577, 84.8709



65.8384, 63.8577, 137.3031



81.1901, 63.8577, 56.1593



55.8264, 63.8577, 28.7976

Rectangle

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



43.9762, 63.8577, 84.8709



52.9633, 63.8577, 132.3107



81.1901, 63.8577, 56.1593



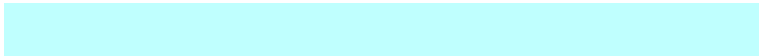
69.1444, 63.8577, 30.6189

Sweetspot

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



43.9781, 63.8601, 84.8724



75.2525, 89.8063, 107.4187



30.1886, 58.3589, 11.5944



15.6355, 18.9795, 22.9533



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.



43.9781, 63.8601, 84.8724



53.3870, 78.5708, 104.7426



24.5966, 24.6445, 79.8069



14.8007, 16.3337, 18.4812



23.9209, 35.2005, 46.9451



1.7698, 2.6020, 3.4801

Inverse Universe

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



34.4065, 18.7689, 3.9090



41.2545, 21.2658, 2.0063



41.9376, 33.8855, 6.2513



14.3831, 14.3704, 14.9516



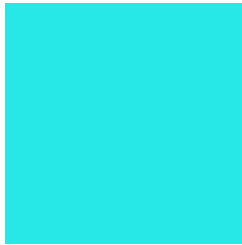
18.4852, 9.5283, 0.9180



1.3681, 0.7050, 0.0792

Previews

White Background



This preview shows how the XYZ color 43.9762, 63.8577, 84.8709 looks on a white background.

Color Contrast Check

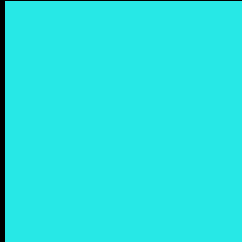
Large Text (above 18pt) WCAG AA × Fail

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 43.9762, 63.8577, 84.8709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

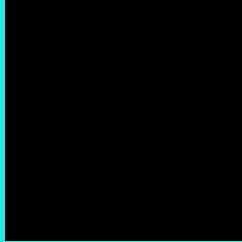
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

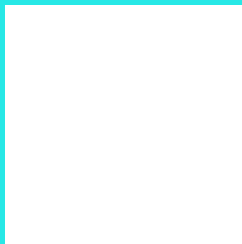
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.9762, 63.8577, 84.8709

Background



This preview shows how black text looks on a background with the XYZ color 43.9762, 63.8577, 84.8709.

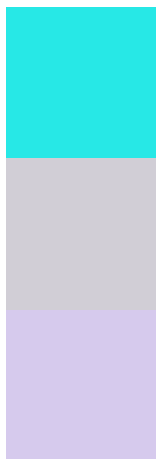


This preview shows how white text looks on a background with the XYZ color 43.9762, 63.8577, 84.8709.

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

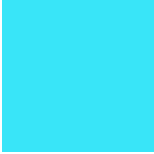
43.9762, 63.8577, 84.8709

Protanopia

60.5034, 62.5530, 72.5034

Deuteranopia

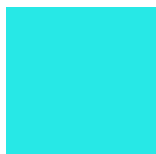
64.1381, 62.6516, 88.8333



Tritanopia

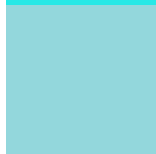
46.6499, 63.6858, 98.6408

Trichromacy



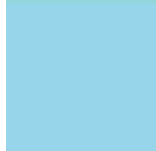
Original Color

43.9762, 63.8577, 84.8709



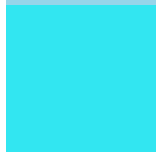
Protanomaly

49.2513, 59.9712, 76.6899



Deuteranomaly

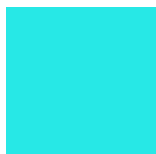
51.2232, 60.0130, 86.7258



Tritanomaly

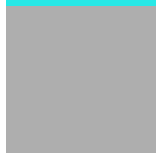
45.4894, 63.6226, 93.1019

Monochromacy



Original Color

43.9762, 63.8577, 84.8709



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

37.7102, 47.2852, 58.1784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.9762, 63.8577, 84.8709 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(39, 232, 230)` looks like.

```
.text, #text, p{  
    color:rgb(39, 232, 230)  
}
```

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(39, 232, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 232, 230) }
```

Border

The CSS property to change the border of an element to XYZ 43.9762, 63.8577, 84.8709 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(39, 232, 230) }
```


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

```
.border{ border-color:rgb(39, 232, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 232, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 232, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 232, 230);  
box-shadow:4px 4px 4px 4px rgb(39, 232,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 43.9762, 63.8577, 84.8709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 232, 230) }
```

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

```
.background{ background-color: rgb(39, 232,  
230) }
```

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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