

Converting Colors

XYZ(42.9849, 59.8605, 94.0827)

Have a look what the booklet for
XYZ(42.9849, 59.8605, 94.0827)
contains.

XYZ(42.9849, 59.8605, 94.0827)	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(42.9849, 59.8605,
94.0827)**

Conversions

Conversions Part 1

Format	Color
Hex	0CE0F3
RGB	12, 224, 243
RGB Percent	5%, 88%, 95%
CMY	0.9527, 0.1216, 0.0471
CMYK	0.95, 0.08, 0.00, 0.05
HSL	185°, 91%, 50%
HSV	185°, 95%, 95%
XYZ	42.9849, 59.8605, 94.0827
YIQ	162.7780, -132.4510, -39.0350

Conversions

Conversions Part 2

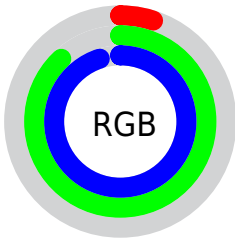
Format	Color
R_{YB}	12, 123, 243
Decimal	844019
CIE _{Lab}	81.76, -37.60, -21.94
CIE _{LCh}	82, 43.530, 210.263
Yxy	59.8605, 0.2183, 0.3040
Android (android.graphics.Color)	4279034099 (0xFF0CE0F3)
YUV	162.7780, 39.5494, -132.2323
Hunter-Lab	77.3696, -36.2259, -17.9389

Details

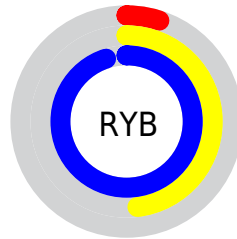
The XYZ color **42.9849, 59.8605, 94.0827** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **37.5209, 20.0646, 2.2450**, and the grayscale version is **34.5814, 36.3823, 39.6203**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **22.9723, 31.5931, 51.9010** is the 20% darker color. If you saturate the color by 10%, you get **42.5685, 59.2524, 93.9884**, and if you desaturate by 10%, it is **44.1150, 61.2466, 94.2918**.

Distribution



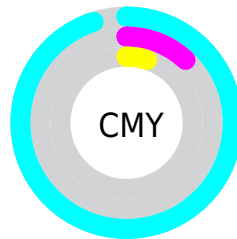
- Red (5%)
- Green (88%)
- Blue (95%)



- Red (5%)
- Yellow (48%)
- Blue (95%)



- Cyan (95%)
- Magenta (8%)
- Yellow (0%)
- Black (5%)



- Cyan (95%)
- Magenta (12%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9849, 59.8605, 94.0827 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 42.9849, 59.8605, 94.0827 by changing the saturation by 10% instead.

42.9849, 59.8605,
94.0827

42.9849, 59.8605,
94.0827

349.4722,
424.0834, 562.1333

30.0677, 43.3062,
70.7791

78.9439, 104.6273,
154.9814

20.0383, 30.1254,
51.6812

102.7165,
133.6086, 193.4135

12.5313, 19.9338,
36.3705

130.8383,
167.5009, 237.7255

7.1814, 12.3469,
24.4286

163.6746,
206.6888, 288.3360

3.6231, 6.9804,
15.4367

201.5907,
251.5566, 345.6635

1.4912, 3.4499,
8.9764

244.9522,

0.3198, 1.3709,

302.4887, 410.1265

4.6292

294.1242,
359.8695, 482.1436

■ 0.0000, 0.1951,
1.9765

■ 0.0000, 0.0000,
0.5408

■ 42.9849, 59.8605,
94.0827

■ 42.9849, 59.8605,
94.0827

■ 42.5685, 59.2524,
93.9884

■ 44.1150, 61.2466,
94.2918

■ 45.8252, 62.9399,
94.5285

■ 48.2174, 64.9943,
94.7990

■ 51.3730, 67.4517,
95.1070

■ 55.3618, 70.3481,
95.4558

■ 60.2457, 73.7155,
95.8484

■ 66.0807, 77.5827,
96.2873

■ 72.9183, 81.9765,
96.7750

■ 80.8062, 86.9213,
97.3137

Harmonies

Analogous

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



41.0225, 59.8605, 65.4101



42.9849, 59.8605, 94.0827



48.5903, 59.8605, 119.5920

Triad

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



42.9849, 59.8605, 94.0827



73.6200, 59.8605, 93.5705



56.8147, 59.8605, 26.5998

Complementary

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



42.9849, 59.8605, 94.0827



37.5209, 20.0646, 2.2450

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.



66.0971, 59.8605, 30.4284



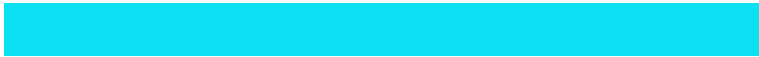
42.9849, 59.8605, 94.0827



76.4114, 59.8605, 64.9463

Square

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



42.9849, 59.8605, 94.0827



66.2523, 59.8605, 119.2447



73.5239, 59.8605, 42.8975



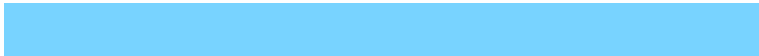
48.4642, 59.8605, 30.5682

Rectangle

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



42.9849, 59.8605, 94.0827



53.9654, 59.8605, 128.6896



73.5239, 59.8605, 42.8975



59.9300, 59.8605, 27.0017

Sweetspot

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



42.9868, 59.8627, 94.0842



70.9677, 84.7496, 107.2257



32.4066, 64.2619, 11.7606



14.6059, 17.7512, 22.9065



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.



42.9868, 59.8627, 94.0842



47.4792, 66.0784, 104.8597



22.1393, 18.1678, 87.1350



16.8733, 18.5108, 21.2262



23.4109, 32.6156, 51.5996



2.0914, 2.9342, 4.5464

Inverse Universe

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



50.5498, 24.7013, 72.6267



56.0945, 27.2018, 80.1528



46.8408, 38.7045, 5.3517



17.1514, 16.7434, 20.5436



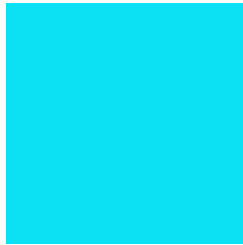
27.6213, 13.3919, 39.5755



2.4447, 1.1838, 3.5682

Previews

White Background



This preview shows how the XYZ color 42.9849, 59.8605, 94.0827 looks on a white background.

Color Contrast Check

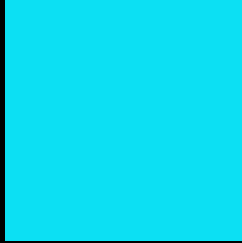
Large Text (above 18pt) WCAG AA × Fail

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 42.9849, 59.8605, 94.0827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

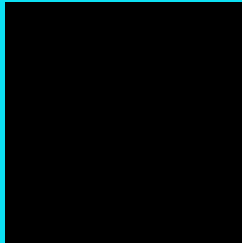
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.9849, 59.8605, 94.0827

Background



This preview shows how black text looks on a background with the XYZ color 42.9849, 59.8605, 94.0827.

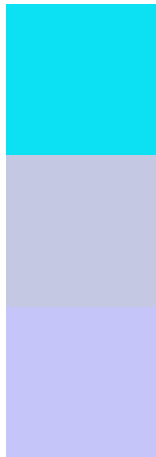


This preview shows how white text looks on a background with the XYZ color 42.9849, 59.8605,

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

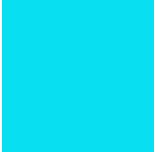
42.9849, 59.8605, 94.0827

Protanopia

57.5454, 58.7249, 80.9751

Deuteranopia

60.0911, 58.6424, 97.7745



Tritanopia

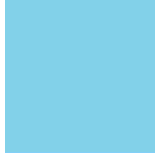
42.7828, 59.7737, 93.2870

Trichromacy



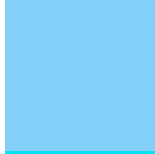
Original Color

42.9849, 59.8605, 94.0827



Protanomaly

46.7144, 56.2299, 85.4822



Deuteranomaly

48.3072, 56.0869, 96.2755



Tritanomaly

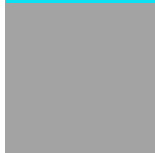
42.7953, 59.7802, 93.2876

Monochromacy



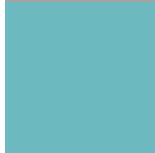
Original Color

42.9849, 59.8605, 94.0827



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

33.0477, 41.6918, 56.1747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9849, 59.8605, 94.0827 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(12, 224, 243)` looks like.

```
.text, #text, p{  
    color:rgb(12, 224, 243)  
}
```

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(12, 224, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 224, 243) }
```

Border

The CSS property to change the border of an element to XYZ 42.9849, 59.8605, 94.0827 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(12, 224, 243) }
```


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

```
.border{ border-color:rgb(12, 224, 243) }
```

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

Here you see how a box with a 4 pixel rgb(12, 224, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 224, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 224, 243);  
box-shadow:4px 4px 4px 4px rgb(12, 224,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9849, 59.8605, 94.0827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 224, 243) }
```

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

```
.background{ background-color: rgb(12, 224,  
243) }
```

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