

Converting Colors

XYZ(41.7838, 58.8578, 93.8626)

Have a look what the booklet for
XYZ(41.7838, 58.8578, 93.8626)
contains.

XYZ(42.5653, 59.2464, 93.9863)	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(42.5653, 59.2464,
93.9863)**

Conversions

Conversions Part 1

Format	Color
Hex	00DFF3
RGB	0, 223, 243
RGB Percent	0%, 87%, 95%
CMY	0.9997, 0.1255, 0.0471
CMYK	1.00, 0.08, 0.00, 0.05
HSL	185°, 100%, 48%
HSV	185°, 100%, 95%
XYZ	42.5653, 59.2464, 93.9863
YIQ	158.6030, -139.3280, -41.0560

Conversions

Conversions Part 2

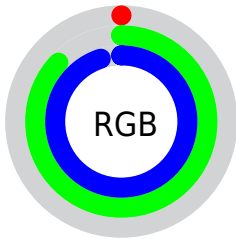
Format	Color
RYB	0, 116, 243
Decimal	57331
CIELab	81.43, -37.40, -22.45
CIELCh	81, 43.625, 210.973
Yxy	59.2464, 0.2174, 0.3026
Android (android.graphics.Color)	4278247411 (0xFF00DFF3)
YUV	158.6030, 41.6077, -139.0948
Hunter-Lab	76.9717, -35.9900, -18.5159

Details

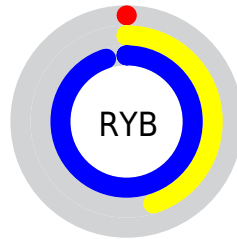
The XYZ color **42.5653, 59.2464, 93.9863** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **37.2143, 19.5576, 1.8155**, and the grayscale version is **32.6449, 34.3450, 37.4017**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **22.7884, 31.2253, 51.8397** is the 20% darker color. If you saturate the color by 10%, you get **42.5649, 59.2453, 93.9872**, and if you desaturate by 10%, it is **43.4894, 60.5221, 94.1850**.

Distribution



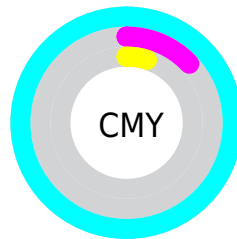
- Red (0%)
- Green (87%)
- Blue (95%)



- Red (0%)
- Yellow (45%)
- Blue (95%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (13%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5653, 59.2464, 93.9863 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 42.5653, 59.2464, 93.9863 by changing the saturation by 10% instead.

42.5653, 59.2464,
93.9863

42.5653, 59.2464,
93.9863

347.7729,
421.8144, 561.8158

29.7372, 42.8115,
70.6993

78.3143, 103.7357,
154.8469

19.7863, 29.7372,
51.6165

101.9659,
132.5589, 193.2576

12.3472, 19.6392,
36.3194

129.9561,
166.2803, 237.5467

7.0544, 12.1331,
24.3893

162.6502,
205.2843, 288.1326

3.5428, 6.8344,
15.4078

200.4136,
249.9553, 345.4339

1.4469, 3.3587,
8.9563

243.6116,

0.2893, 1.3218,

300.6778, 409.8692

4.6163

292.6096,
357.8360, 481.8570

■ 0.0000, 0.1580,
1.9692

■ 0.0000, 0.0000,
0.5362

■ 42.5653, 59.2464,
93.9863

■ 42.5653, 59.2464,
93.9863

■ 42.5649, 59.2453,
93.9872

■ 43.4894, 60.5221,
94.1850

■ 44.8985, 62.0561,
94.4068

■ 46.9434, 63.9272,
94.6602

■ 49.7132, 66.1815,
94.9493

■ 53.2829, 68.8577,
95.2777

■ 57.7180, 71.9896,
95.6485

■ 63.0772, 75.6074,
96.0643

■ 69.4142, 79.7388,
96.5278

■ 76.7783, 84.4094,
97.0412

Harmonies

Analogous

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



40.5244, 59.2464, 65.3667



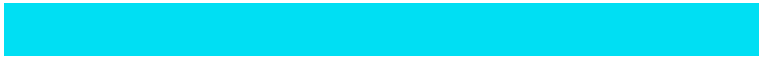
42.5653, 59.2464, 93.9863



48.2186, 59.2464, 119.1919

Triad

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



42.5653, 59.2464, 93.9863



73.0932, 59.2464, 92.0988



56.0144, 59.2464, 26.1758

Complementary

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



42.5653, 59.2464, 93.9863



37.2143, 19.5576, 1.8155

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.



65.2637, 59.2464, 29.7863



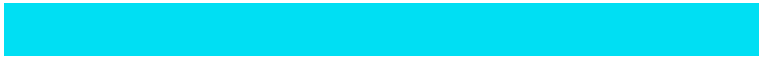
42.5653, 59.2464, 93.9863



75.7446, 59.2464, 63.6593

Square

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



42.5653, 59.2464, 93.9863



65.8350, 59.2464, 117.9111



72.7390, 59.2464, 41.9464



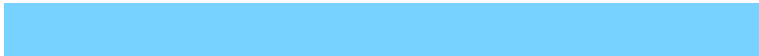
47.7545, 59.2464, 30.2992

Rectangle

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



42.5653, 59.2464, 93.9863



53.6031, 59.2464, 127.9674



72.7390, 59.2464, 41.9464



59.1105, 59.2464, 26.5144

Sweetspot

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



42.5672, 59.2485, 93.9877



70.3089, 84.3119, 107.1759



32.1473, 64.1407, 11.1865



14.4812, 17.6669, 22.8968



0.0000, 0.0000, 0.0000



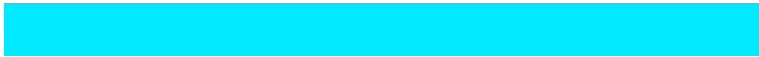
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.5672, 59.2485, 93.9877



47.4752, 66.0705, 104.8584



21.2647, 16.6436, 86.8869



16.8732, 18.5107, 21.2262



23.4090, 32.6118, 51.5989



2.0913, 2.9339, 4.5463

Inverse Universe

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



50.2830, 24.3842, 71.8706



56.0925, 27.2010, 80.1422



46.0127, 37.1544, 4.7483



17.1513, 16.7434, 20.5434



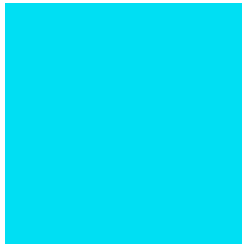
27.6203, 13.3916, 39.5704



2.4446, 1.1838, 3.5678

Previews

White Background



This preview shows how the XYZ color 42.5653, 59.2464, 93.9863 looks on a white background.

Color Contrast Check

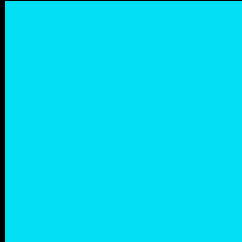
Large Text (above 18pt) WCAG AA × Fail

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 42.5653, 59.2464, 93.9863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

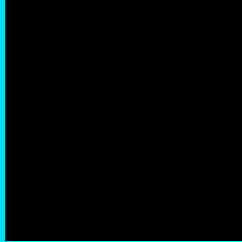
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.5653, 59.2464, 93.9863

Background



This preview shows how black text looks on a background with the XYZ color 42.5653, 59.2464, 93.9863.



This preview shows how white text looks on a background with the XYZ color 42.5653, 59.2464,

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

42.5653, 59.2464, 93.9863

Protanopia

57.0535, 58.1287, 80.8860

Deuteranopia

59.8301, 58.5078, 97.7623



Tritanopia

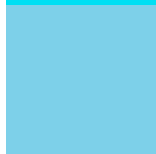
42.2649, 59.1262, 92.4040

Trichromacy



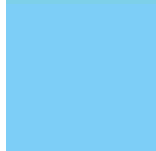
Original Color

42.5653, 59.2464, 93.9863



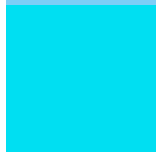
Protanomaly

45.7213, 55.3549, 85.3656



Deuteranomaly

47.3173, 55.2180, 96.1599



Tritanomaly

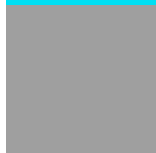
42.4147, 59.1862, 93.1930

Monochromacy



Original Color

42.5653, 59.2464, 93.9863



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

31.3890, 39.9403, 54.7701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5653, 59.2464, 93.9863 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, 223, 243)` looks like.

```
.text, #text, p{  
    color:rgb(0, 223, 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(0, 223, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 223, 243) }
```

Border

The CSS property to change the border of an element to XYZ 42.5653, 59.2464, 93.9863 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, 223, 243) }
```


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

```
.border{ border-color:rgb(0, 223, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 223, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 223, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 223, 243);  
box-shadow:4px 4px 4px 4px rgb(0, 223,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5653, 59.2464, 93.9863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 223, 243) }
```

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

```
.background{ background-color: rgb(0, 223,  
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