

Converting Colors

XYZ(19.5348, 47.0053, 93.4438)

Have a look what the booklet for
XYZ(19.5348, 47.0053, 93.4438)
contains.

XYZ(42.4504, 58.7742, 94.6951)	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(42.4504, 58.7742,
94.6951)**

Conversions

Conversions Part 1

Format	Color
Hex	00DEF4
RGB	0, 222, 244
RGB Percent	0%, 87%, 96%
CMY	0.9997, 0.1294, 0.0431
CMYK	1.00, 0.09, 0.00, 0.04
HSL	185°, 100%, 48%
HSV	185°, 100%, 96%
XYZ	42.4504, 58.7742, 94.6951
YIQ	158.1300, -139.3740, -40.2220

Conversions

Conversions Part 2

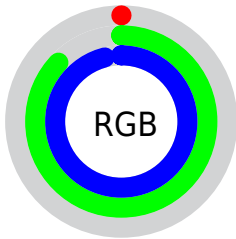
Format	Color
RYB	0, 116, 244
Decimal	57076
CIELab	81.17, -36.63, -23.38
CIELCh	81, 43.453, 212.544
Yxy	58.7742, 0.2167, 0.3000
Android (android.graphics.Color)	4278247156 (0xFF00DEF4)
YUV	158.1300, 42.3339, -138.6800
Hunter-Lab	76.6643, -35.3240, -19.5694

Details

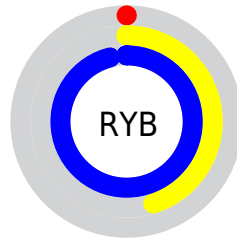
The XYZ color **42.4504, 58.7742, 94.6951** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **37.5973, 19.8099, 1.8441**, and the grayscale version is **32.4276, 34.1164, 37.1528**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **22.7133, 30.9033, 52.3448** is the 20% darker color. If you saturate the color by 10%, you get **42.4498, 58.7726, 94.6959**, and if you desaturate by 10%, it is **43.4276, 60.1525, 94.9108**.

Distribution



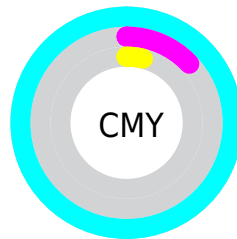
- Red (0%)
- Green (87%)
- Blue (96%)



- Red (0%)
- Yellow (45%)
- Blue (96%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (13%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4504, 58.7742, 94.6951 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 42.4504, 58.7742, 94.6951 by changing the saturation by 10% instead.


 42.4504, 58.7742,
94.6951


 42.4504, 58.7742,
94.6951


347.3066,
420.0646, 564.1478

 29.6468, 42.4314,
71.2857


 78.1417, 103.0494,
155.8353


 19.7174, 29.4392,
52.0922


 101.7601,
131.7506, 194.4031

 12.2968, 19.4133,
36.6958


 129.7142,
165.3400, 238.8610

 7.0198, 11.9693,
24.6781

 162.3693,
204.2021, 289.6272

 3.5209, 6.7228,
15.6206

 200.0907,
248.7212, 347.1205

 1.4349, 3.2893,
9.1046

243.2438,

 0.2809, 1.2846,

299.2817, 411.7593

4.7117

292.1940,
356.2681, 483.9623

■ 0.0000, 0.1292,
2.0234

■ 0.0000, 0.0000,
0.5696

■ 42.4504, 58.7742,
94.6951

■ 42.4504, 58.7742,
94.6951

■ 42.4498, 58.7726,
94.6959

■ 43.4276, 60.1525,
94.9108

■ 44.8960, 61.7941,
95.1502

■ 47.0074, 63.7787,
95.4220

■ 49.8521, 66.1527,
95.7303

■ 53.5056, 68.9552,
96.0787

■ 58.0343, 72.2204,
96.4702

■ 63.4975, 75.9789,
96.9078

■ 69.9492, 80.2587,
97.3938

■ 77.4395, 85.0854,
97.9307

Harmonies

Analogous

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



40.2309, 58.7742, 66.2314



42.4504, 58.7742, 94.6951



48.2238, 58.7742, 119.1338

Triad

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



42.4504, 58.7742, 94.6951



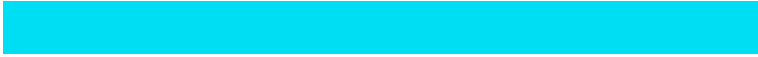
72.7564, 58.7742, 89.8095



55.0948, 58.7742, 26.0248

Complementary

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



42.4504, 58.7742, 94.6951



37.5973, 19.8099, 1.8441

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.



64.2694, 58.7742, 29.1973



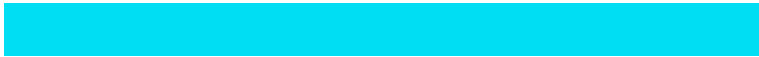
42.4504, 58.7742, 94.6951



75.0961, 58.7742, 61.8098

Square

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



42.4504, 58.7742, 94.6951



65.7486, 58.7742, 115.8196



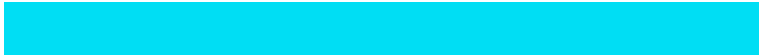
71.8397, 58.7742, 40.7708



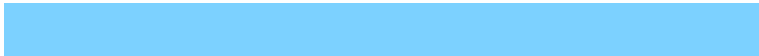
47.0218, 58.7742, 30.5272

Rectangle

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



42.4504, 58.7742, 94.6951



53.6372, 58.7742, 127.1580



71.8397, 58.7742, 40.7708



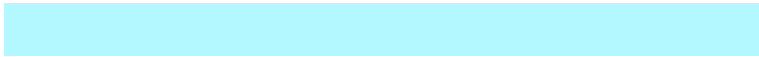
58.1498, 58.7742, 26.2295

Sweetspot

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



42.4523, 58.7763, 94.6965



70.1235, 83.9412, 107.1141



32.4818, 64.7546, 11.4674



14.4362, 17.5769, 22.8818



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.



42.4523, 58.7763, 94.6965



46.9076, 64.9352, 104.6692



21.0529, 15.9775, 87.5634



16.8615, 18.4872, 21.2223



23.1344, 32.0626, 51.5074



2.0700, 2.8914, 4.5392

Inverse Universe

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



50.4947, 24.5089, 71.1787



55.8060, 27.0864, 78.6335



47.0362, 38.6876, 4.9904



17.1454, 16.7410, 20.5122



27.4817, 13.3361, 38.8405



2.4339, 1.1795, 3.5112

Previews

White Background



This preview shows how the XYZ color 42.4504, 58.7742, 94.6951 looks on a white background.

Color Contrast Check

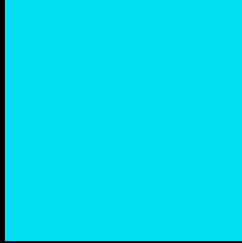
Large Text (above 18pt) WCAG AA × Fail

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 42.4504, 58.7742, 94.6951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

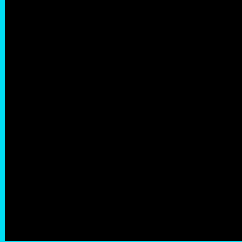
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.4504, 58.7742, 94.6951

Background



This preview shows how black text looks on a background with the XYZ color 42.4504, 58.7742, 94.6951.

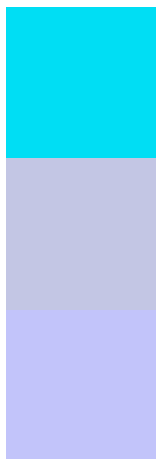


This preview shows how white text looks on a background with the XYZ color 42.4504, 58.7742,

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

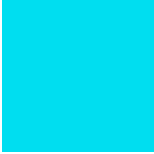
42.4504, 58.7742, 94.6951

Protanopia

56.7034, 57.5917, 81.5265

Deuteranopia

59.2434, 57.8513, 98.4864



Tritanopia

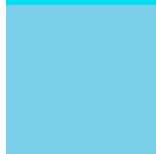
41.8495, 58.5338, 91.5305

Trichromacy



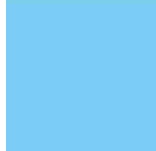
Original Color

42.4504, 58.7742, 94.6951



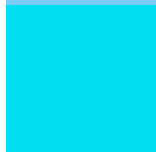
Protanomaly

45.4763, 54.8512, 86.0324



Deuteranomaly

46.9430, 54.6509, 96.8815



Tritanomaly

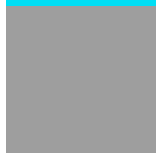
41.9985, 58.5934, 92.3152

Monochromacy



Original Color

42.4504, 58.7742, 94.6951



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

31.0760, 39.4886, 54.1283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4504, 58.7742, 94.6951 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, 222, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 244)  
}
```

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, 222, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 244) }
```

Border

The CSS property to change the border of an element to XYZ 42.4504, 58.7742, 94.6951 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, 222, 244) }
```


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

```
.border{ border-color:rgb(0, 222, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 222, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4504, 58.7742, 94.6951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 222, 244) }
```

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

```
.background{ background-color: rgb(0, 222,  
244) }
```

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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