

Converting Colors

XYZ(44.1310, 59.9830, 97.2476)

Have a look what the booklet for
XYZ(44.1310, 59.9830, 97.2476)
contains.

XYZ(44.1310, 59.9830, 97.2476)	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(44.1310, 59.9830,
97.2476)**

Conversions

Conversions Part 1

Format	Color
Hex	2ADFF7
RGB	42, 223, 247
RGB Percent	16%, 87%, 97%
CMY	0.8352, 0.1255, 0.0314
CMYK	0.83, 0.10, 0.00, 0.03
HSL	187°, 93%, 57%
HSV	187°, 83%, 97%
XYZ	44.1310, 59.9830, 97.2476
YIQ	171.6170, -115.5800, -30.9080

Conversions

Conversions Part 2

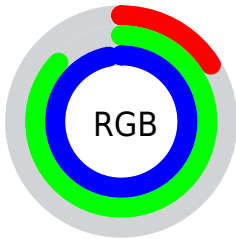
Format	Color
R _Y B	42, 138, 247
Decimal	2809847
CIE Lab	81.83, -34.50, -23.94
CIE LCh	82, 41.993, 214.749
Yxy	59.9830, 0.2192, 0.2979
Android (android.graphics.Color)	4280999927 (0xFF2ADFF7)
YUV	171.6170, 37.1638, -113.6741
Hunter-Lab	77.4487, -33.8242, -20.2328

Details

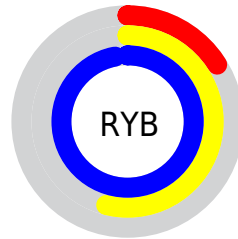
The XYZ color **44.1310, 59.9830, 97.2476** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **40.7259, 23.8404, 4.6476**, and the grayscale version is **38.8832, 40.9082, 44.5490**.

A 20% lighter version of the original color is **62.4142, 83.1756, 107.3727**, and **23.2227, 31.3990, 54.1269** is the 20% darker color. If you saturate the color by 10%, you get **42.6481, 58.0825, 96.9601**, and if you desaturate by 10%, it is **46.2521, 62.2345, 97.5715**.

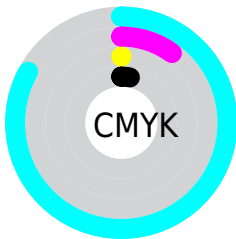
Distribution



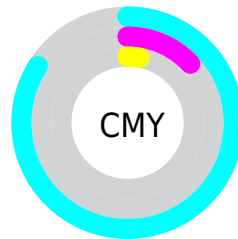
- Red (16%)
- Green (87%)
- Blue (97%)



- Red (16%)
- Yellow (54%)
- Blue (97%)



- Cyan (83%)
- Magenta (10%)
- Yellow (0%)
- Black (3%)



- Cyan (84%)
- Magenta (13%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.1310, 59.9830, 97.2476 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 44.1310, 59.9830, 97.2476 by changing the saturation by 10% instead.

44.1310, 59.9830,
97.2476

44.1310, 59.9830,
97.2476

354.0858,
424.5351, 572.5028

30.9719, 43.4049,
73.3999

80.6600, 104.8050,
159.3883

20.7291, 30.2030,
53.8092

104.7605,
133.8177, 198.5184

13.0375, 19.9927,
38.0570

133.2389,
167.7441, 243.5796

7.5315, 12.3897,
25.7248

166.4604,
206.9686, 294.9906

3.8460, 7.0097,
16.3939

204.7905,
251.8756, 353.1699

1.6154, 3.4682,
9.6460

248.5946,

0.4024, 1.3808,

302.8494, 418.5360

5.0623

298.2379,
360.2744, 491.5074

■ 0.0000, 0.2025,
2.2245

■ 0.0000, 0.0000,
0.6885

■ 44.1310, 59.9830,
97.2476

■ 44.1310, 59.9830,
97.2476

■ 42.6481, 58.0825,
96.9601

■ 46.2521, 62.2345,
97.5715

■ 41.8818, 56.9016,
96.7725

■ 49.1051, 64.8817,
97.9321

■ 52.7735, 67.9692,
98.3347

■ 57.3283, 71.5334,
98.7826

■ 62.8326, 75.6071,
99.2788

■ 69.3437, 80.2199,
99.8260

■ 76.9142, 85.3990,
100.4267

■ 85.5932, 91.1698,
101.0831

■ 91.9134, 95.7449,
101.6331

Harmonies

Analogous

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



41.6667, 59.9830, 69.4340



44.1310, 59.9830, 97.2476



50.0506, 59.9830, 120.1108

Triad

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



44.1310, 59.9830, 97.2476



73.8464, 59.9830, 88.4081



55.6134, 59.9830, 27.7623

Complementary

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



44.1310, 59.9830, 97.2476



40.7259, 23.8404, 4.6476

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.



64.5908, 59.9830, 30.3809



44.1310, 59.9830, 97.2476



75.7265, 59.9830, 61.3551

Square

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



44.1310, 59.9830, 97.2476



67.2819, 59.9830, 114.1497



72.1833, 59.9830, 41.2661



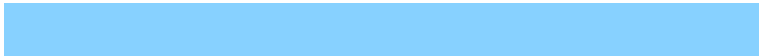
47.8443, 59.9830, 32.8707

Rectangle

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



44.1310, 59.9830, 97.2476



55.4675, 59.9830, 126.9248



72.1833, 59.9830, 41.2661



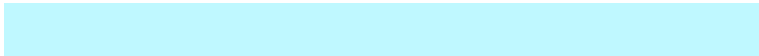
58.5850, 59.9830, 27.7833

Sweetspot

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



44.1329, 59.9852, 97.2491



73.0238, 85.1789, 107.2001



35.1983, 67.4076, 16.3001



15.0930, 17.8530, 22.9004



0.0000, 0.0000, 0.0000



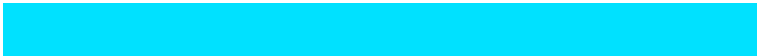
20.3446, 21.4041, 23.3091

Same Dimension

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



44.1329, 59.9852, 97.2491



45.0146, 61.1492, 104.0382



24.5329, 20.7851, 90.7157



16.8214, 18.4071, 21.2089



22.2182, 30.2302, 51.2020



1.9987, 2.7488, 4.5155

Inverse Universe

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



52.5067, 26.7597, 72.2120



54.8505, 26.7042, 73.6019



52.8579, 48.1044, 8.6916



17.1252, 16.7329, 20.4057



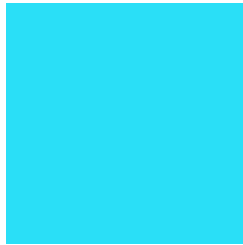
27.0192, 13.1511, 36.4053



2.3979, 1.1651, 3.3218

Previews

White Background



This preview shows how the XYZ color 44.1310, 59.9830, 97.2476 looks on a white background.

Color Contrast Check

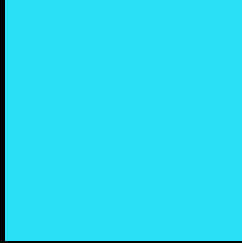
Large Text (above 18pt) WCAG AA × Fail

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 44.1310, 59.9830, 97.2476 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 44.1310, 59.9830, 97.2476

Background



This preview shows how black text looks on a background with the XYZ color 44.1310, 59.9830, 97.2476.



This preview shows how white text looks on a background with the XYZ color 44.1310, 59.9830,

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

44.1310, 59.9830, 97.2476

Protanopia

57.9847, 58.8705, 84.6510

Deuteranopia

60.4294, 59.0821, 101.1475



Tritanopia

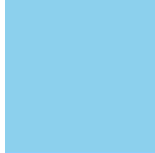
43.3758, 60.0794, 93.3147

Trichromacy



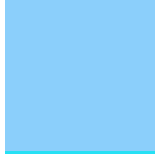
Original Color

44.1310, 59.9830, 97.2476



Protanomaly

48.6572, 56.8016, 88.5201



Deuteranomaly

50.3729, 57.0796, 99.6293



Tritanomaly

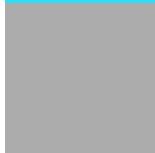
43.7841, 60.2550, 94.9107

Monochromacy



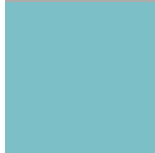
Original Color

44.1310, 59.9830, 97.2476



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

37.3971, 45.7451, 60.8915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.1310, 59.9830, 97.2476 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(42, 223, 247)` looks like.

```
.text, #text, p{  
    color:rgb(42, 223, 247)  
}
```

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(42, 223, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 223, 247) }
```

Border

The CSS property to change the border of an element to XYZ 44.1310, 59.9830, 97.2476 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(42, 223, 247) }
```


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

```
.border{ border-color:rgb(42, 223, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 223, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 223, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 223, 247);  
box-shadow:4px 4px 4px 4px rgb(42, 223,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 44.1310, 59.9830, 97.2476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 223, 247) }
```

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

```
.background{ background-color: rgb(42, 223,  
247) }
```

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