

Converting Colors

XYZ(42.3686, 61.9963, 84.2299)

Have a look what the booklet for
XYZ(42.3686, 61.9963, 84.2299)
contains.

XYZ(42.3022, 61.7518, 84.5526)	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(42.3022, 61.7518,
84.5526)**

Conversions

Conversions Part 1

Format	Color
Hex	00E5E6
RGB	0, 229, 230
RGB Percent	0%, 90%, 90%
CMY	0.9998, 0.1019, 0.0980
CMYK	1.00, 0.00, 0.00, 0.10
HSL	180°, 100%, 45%
HSV	180°, 100%, 90%
XYZ	42.3022, 61.7518, 84.5526
YIQ	160.6430, -136.8050, -48.2370

Conversions

Conversions Part 2

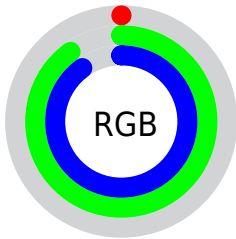
Format	Color
RYB	0, 115, 230
Decimal	58854
CIELab	82.78, -44.03, -13.52
CIELCh	83, 46.061, 197.067
Yxy	61.7518, 0.2243, 0.3274
Android (android.graphics.Color)	4278248934 (0xFF00E5E6)
YUV	160.6430, 34.1930, -140.8839
Hunter-Lab	78.5823, -41.4295, -8.7869

Details

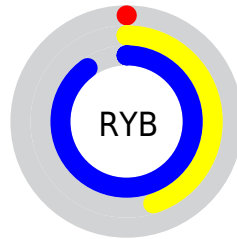
The XYZ color **42.3022, 61.7518, 84.5526** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **32.6454, 16.8463, 1.5327**, and the grayscale version is **33.6112, 35.3616, 38.5088**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **22.6814, 32.9823, 45.7282** is the 20% darker color. If you saturate the color by 10%, you get **42.3033, 61.7536, 84.5540**, and if you desaturate by 10%, it is **42.6857, 61.9918, 84.5799**.

Distribution



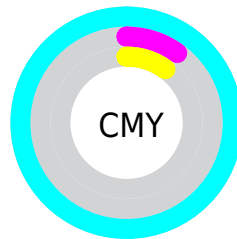
- Red (0%)
- Green (90%)
- Blue (90%)



- Red (0%)
- Yellow (45%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3022, 61.7518, 84.5526 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 42.3022, 61.7518, 84.5526 by changing the saturation by 10% instead.

42.3022, 61.7518,
84.5526

42.3022, 61.7518,
84.5526

346.7045,
431.0252, 530.2524

29.5301, 44.8322,
62.9238

77.9191, 107.3667,
141.6165

19.6285, 31.3253,
45.3389

101.4946,
136.8308, 177.8887

12.2320, 20.8467,
31.3796

129.4020,
171.2452, 219.8790

6.9752, 13.0120,
20.6272

162.0066,
210.9943, 268.0061

3.4928, 7.4368,
12.6632

199.6739,
256.4624, 322.6884

1.4194, 3.7367,
7.0690

242.7690,

0.2700, 1.5274,

308.0340, 384.3446

3.4262

291.6574,
366.0935, 453.3930

■ 0.0000, 0.3079,
1.3162

■ 0.0000, 0.0000,
0.0750

■ 42.3022, 61.7518,
84.5526

■ 42.3022, 61.7518,
84.5526

■ 42.3033, 61.7536,
84.5540

■ 42.6857, 61.9918,
84.5799

■ 43.4879, 62.4465,
84.6253

■ 44.8446, 63.1869,
84.6968

■ 46.8334, 64.2532,
84.7978

■ 49.5195, 65.6791,
84.9314

■ 52.9602, 67.4940,
85.1004

■ 57.2067, 69.7243,
85.3070

■ 62.3059, 72.3943,
85.5536

■ 68.3010, 75.5260,
85.8422

Harmonies

Analogous

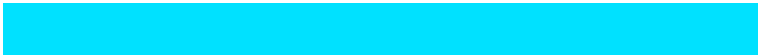
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.0169, 61.7518, 55.7522



42.3022, 61.7518, 84.5526



46.6514, 61.7518, 115.6086

Triad

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



42.3022, 61.7518, 84.5526



73.7731, 61.7518, 111.6600



63.0603, 61.7518, 26.8519

Complementary

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



42.3022, 61.7518, 84.5526



32.6454, 16.8463, 1.5327

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.



72.6471, 61.7518, 34.6831



42.3022, 61.7518, 84.5526



79.2843, 61.7518, 80.2002

Square

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



42.3022, 61.7518, 84.5526



64.4632, 61.7518, 134.0316



78.8505, 61.7518, 52.4636



53.2783, 61.7518, 27.4081

Rectangle

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



42.3022, 61.7518, 84.5526



51.5796, 61.7518, 131.0304



78.8505, 61.7518, 52.4636



66.4325, 61.7518, 28.4711

Sweetspot

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



42.3041, 61.7541, 84.5541



72.1792, 88.0525, 107.7993



28.2982, 56.5950, 9.4341



14.9367, 18.5779, 23.0486



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.



42.3041, 61.7541, 84.5541



53.4579, 78.0358, 106.8526



20.4179, 17.9817, 77.2587



14.8019, 16.3251, 18.5153



23.9520, 34.9660, 47.8699



1.7717, 2.5874, 3.5380

Inverse Universe

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



46.7775, 22.4818, 76.0052



59.1123, 28.4089, 96.0441



38.7680, 29.0915, 3.5735



14.9923, 14.6141, 18.1600



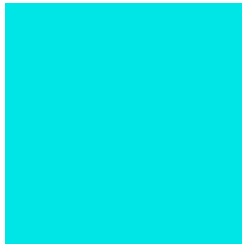
26.4833, 12.7276, 43.0358



1.9579, 0.9409, 3.1849

Previews

White Background



This preview shows how the XYZ color 42.3022, 61.7518, 84.5526 looks on a white background.

Color Contrast Check

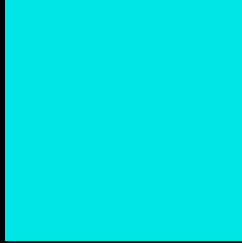
Large Text (above 18pt) WCAG AA × Fail

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 42.3022, 61.7518, 84.5526 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 42.3022, 61.7518, 84.5526

Background



This preview shows how black text looks on a background with the XYZ color 42.3022, 61.7518, 84.5526.



This preview shows how white text looks on a background with the XYZ color 42.3022, 61.7518,

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

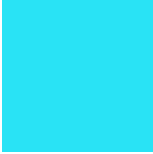
42.3022, 61.7518, 84.5526

Protanopia

58.6704, 60.5460, 72.2126

Deuteranopia

62.0040, 60.5166, 88.5337



Tritanopia

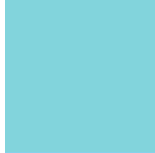
44.8650, 62.0022, 95.9892

Trichromacy



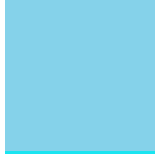
Original Color

42.3022, 61.7518, 84.5526



Protanomaly

45.6677, 57.0001, 76.3053



Deuteranomaly

47.5707, 57.0202, 86.3407



Tritanomaly

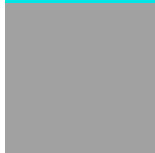
43.8976, 61.9977, 92.0912

Monochromacy



Original Color

42.3022, 61.7518, 84.5526



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.9013, 41.4878, 52.7809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3022, 61.7518, 84.5526 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, 229, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 229, 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(0, 229, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 229, 230) }
```

Border

The CSS property to change the border of an element to XYZ 42.3022, 61.7518, 84.5526 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, 229, 230) }
```


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

```
.border{ border-color:rgb(0, 229, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 229, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 229, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 229, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 229,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3022, 61.7518, 84.5526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 229, 230) }
```

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

```
.background{ background-color: rgb(0, 229,  
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](#).

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