

Converting Colors

XYZ(42.8554, 60.8043, 81.4540)

Have a look what the booklet for
XYZ(42.8554, 60.8043, 81.4540)
contains.

XYZ(42.9104, 60.9078, 81.4463)	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(42.9104, 60.9078,
81.4463)**

Conversions

Conversions Part 1

Format	Color
Hex	3EE2E2
RGB	62, 226, 226
RGB Percent	24%, 89%, 89%
CMY	0.7568, 0.1137, 0.1137
CMYK	0.73, 0.00, 0.00, 0.11
HSL	180°, 74%, 56%
HSV	180°, 73%, 89%
XYZ	42.9104, 60.9078, 81.4463
YIQ	176.9640, -97.7440, -34.7680

Conversions

Conversions Part 2

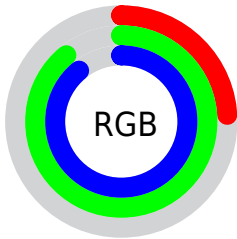
Format	Color
R _{YB}	62, 144, 226
Decimal	4121314
CIE Lab	82.33, -40.26, -12.02
CIE LCh	82, 42.018, 196.621
Yxy	60.9078, 0.2316, 0.3288
Android (android.graphics.Color)	4282311394 (0xFF3EE2E2)
YUV	176.9640, 24.1747, -100.8234
Hunter-Lab	78.0434, -38.4319, -7.2447

Details

The XYZ color **42.9104, 60.9078, 81.4463** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **33.9581, 19.9637, 6.6228**, and the grayscale version is **41.6873, 43.8583, 47.7617**.

A 20% lighter version of the original color is **63.6415, 83.8083, 107.4301**, and **21.7254, 31.6897, 43.4998** is the 20% darker color. If you saturate the color by 10%, you get **41.7772, 60.3250, 81.3945**, and if you desaturate by 10%, it is **44.6361, 61.7988, 81.5286**.

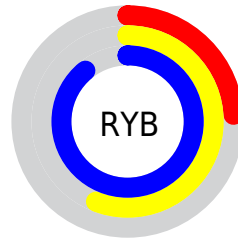
Distribution



Red (24%)

Green (89%)

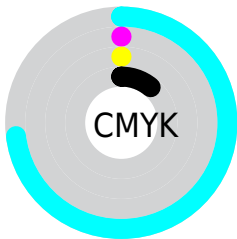
Blue (89%)



Red (24%)

Yellow (56%)

Blue (89%)

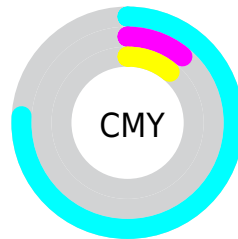


Cyan (73%)

Magenta (0%)

Yellow (0%)

Black (11%)



Cyan (76%)


Magenta (11%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9104, 60.9078, 81.4463 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 42.9104, 60.9078, 81.4463 by changing the saturation by 10% instead.


 42.9104, 60.9078,
81.4463


 42.9104, 60.9078,
81.4463


349.1709,
427.9359, 519.6284


 30.0090, 44.1508,
60.3761

 78.8322, 106.1454,
137.2270

 19.9936, 30.7891,
43.2946


 102.5833,
135.3948, 172.7745

 12.4986, 20.4383,
29.7832


 130.6818,
169.5771, 213.9849

 7.1588, 12.7140,
19.4234

 163.4929,
209.0767, 261.2766

 3.6088, 7.2319,
11.7967

201.3820,
254.2779, 315.0683

 1.4833, 3.6076,
6.4846

244.7144,

 0.3144, 1.4566,

305.5653, 375.7785

3.0684

293.8556,
363.3231, 443.8257

■ 0.0000, 0.2579,
1.1297

■ 0.0000, 0.0000,
0.0000

■ 42.9104, 60.9078,
81.4463

■ 42.9104, 60.9078,
81.4463

■ 41.7772, 60.3250,
81.3945

■ 44.6361, 61.7988,
81.5286


■ 41.1527, 60.0030,
81.3651


■ 47.0139, 63.0246,
81.6401

■ 40.9249, 59.8856,
81.3543


■ 50.1021, 64.6166,
81.7848


■ 53.9513, 66.6009,
81.9651

 58.6071, 69.0011,
82.1831

 64.1119, 71.8389,
82.4409

 70.5050, 75.1346,
82.7403

 77.8231, 78.9072,
83.0829

 82.1652, 81.1457,
83.2863

Harmonies

Analogous

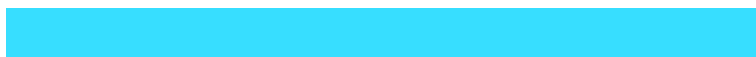
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.7043, 60.9078, 55.5500



42.9104, 60.9078, 81.4463



46.8525, 60.9078, 109.0019

Triad

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



42.9104, 60.9078, 81.4463



71.3286, 60.9078, 106.2778



61.9672, 60.9078, 28.9837

Complementary

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



42.9104, 60.9078, 81.4463



33.9581, 19.9637, 6.6228

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.



70.5400, 60.9078, 36.5470



42.9104, 60.9078, 81.4463



76.3089, 60.9078, 78.3952

Square

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



42.9104, 60.9078, 81.4463



62.9569, 60.9078, 125.6778



76.0062, 60.9078, 53.1900



53.1045, 60.9078, 29.4015

Rectangle

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



42.9104, 60.9078, 81.4463



51.3241, 60.9078, 122.6577



76.0062, 60.9078, 53.1900



64.9955, 60.9078, 30.5726

Sweetspot

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



42.9122, 60.9101, 81.4478



77.3366, 90.8684, 108.0705



30.2301, 55.8576, 13.7473



16.1696, 19.2518, 23.1136



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.



42.9122, 60.9101, 81.4478



54.4416, 79.0657, 106.9976



26.1086, 27.3024, 75.8477



14.1166, 15.5724, 17.6494



23.3469, 34.1636, 46.4111



1.6183, 2.3680, 3.2170

Inverse Universe

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



33.9581, 19.9637, 6.6228



42.0647, 22.4667, 3.5695



41.8002, 35.6479, 9.2366



13.7073, 13.7006, 14.2288



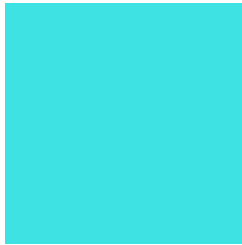
17.8932, 9.2243, 0.8374



1.2403, 0.6394, 0.0581

Previews

White Background



This preview shows how the XYZ color 42.9104, 60.9078, 81.4463 looks on a white background.

Color Contrast Check

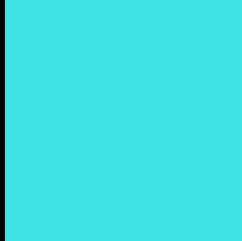
Large Text (above 18pt) WCAG AA × Fail

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 42.9104, 60.9078, 81.4463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

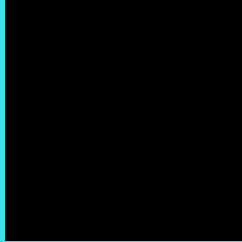
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

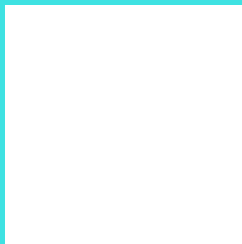
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.9104, 60.9078, 81.4463

Background



This preview shows how black text looks on a background with the XYZ color 42.9104, 60.9078, 81.4463.

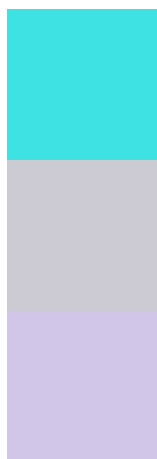


This preview shows how white text looks on a background with the XYZ color 42.9104, 60.9078,

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

42.9104, 60.9078, 81.4463

Protanopia

57.7802, 59.7816, 70.1217

Deuteranopia

61.0541, 59.7697, 84.6627



Tritanopia

45.3552, 61.0998, 93.4074

Trichromacy



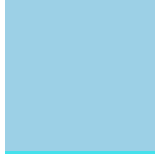
Original Color

42.9104, 60.9078, 81.4463



Protanomaly

48.6378, 58.2218, 73.6402



Deuteranomaly

50.5491, 57.8928, 83.3731



Tritanomaly

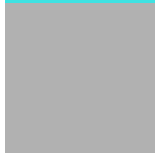
44.4494, 61.1355, 88.8145

Monochromacy



Original Color

42.9104, 60.9078, 81.4463



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

39.3571, 48.1212, 58.8437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9104, 60.9078, 81.4463 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(62, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(62, 226, 226)  
}
```

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(62, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 226, 226) }
```

Border

The CSS property to change the border of an element to XYZ 42.9104, 60.9078, 81.4463 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(62, 226, 226) }
```


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

```
.border{ border-color:rgb(62, 226, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(62, 226,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9104, 60.9078, 81.4463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 226, 226) }
```

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

```
.background{ background-color: rgb(62, 226,  
226) }
```

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