

Converting Colors

XYZ(42.9127, 60.9118, 81.6901)

Have a look what the booklet for
XYZ(42.9127, 60.9118, 81.6901)
contains.

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Color

**XYZ(42.8483, 60.8758,
81.4434)**

Conversions

Conversions Part 1

Format	Color
Hex	3DE2E2
RGB	61, 226, 226
RGB Percent	24%, 89%, 89%
CMY	0.7607, 0.1137, 0.1137
CMYK	0.73, 0.00, 0.00, 0.11
HSL	180°, 74%, 56%
HSV	180°, 73%, 89%
XYZ	42.8483, 60.8758, 81.4434
YIQ	176.6650, -98.3400, -34.9800

Conversions

Conversions Part 2

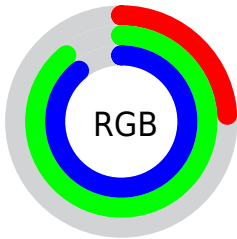
Format	Color
RYB	61, 144, 226
Decimal	4055778
CIELab	82.31, -40.37, -12.05
CIELCh	82, 42.132, 196.614
Yxy	60.8758, 0.2314, 0.3288
Android (android.graphics.Color)	4282245858 (0xFF3DE2E2)
YUV	176.6650, 24.3222, -101.4382
Hunter-Lab	78.0229, -38.5123, -7.2732

Details

The XYZ color **42.8483, 60.8758, 81.4434** 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 **33.8771, 19.8451, 6.4617**, and the grayscale version is **41.5303, 43.6931, 47.5818**.

A 20% lighter version of the original color is **63.4829, 83.7265, 107.4227**, and **21.7254, 31.6897, 43.4998** is the 20% darker color. If you saturate the color by 10%, you get **41.7395, 60.3055, 81.3927**, and if you desaturate by 10%, it is **44.5465, 61.7526, 81.5244**.

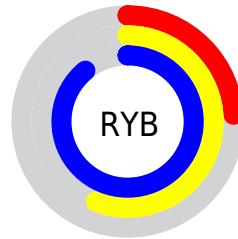
Distribution



Red (24%)

Green (89%)

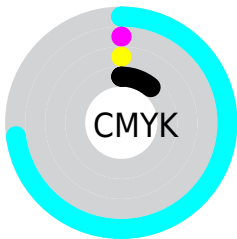
Blue (89%)



Red (24%)

Yellow (56%)

Blue (89%)

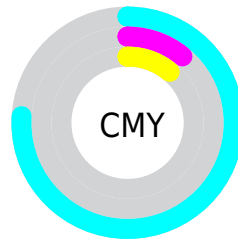


Cyan (73%)

Magenta (0%)

Yellow (0%)

Black (11%)



Cyan (76%)


Magenta (11%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8483, 60.8758, 81.4434 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 42.8483, 60.8758, 81.4434 by changing the saturation by 10% instead.


 42.8483, 60.8758,
81.4434


 42.8483, 60.8758,
81.4434


348.9196,
427.8185, 519.6185


 29.9601, 44.1249,
60.3737


 78.7390, 106.0991,
137.2229


 19.9562, 30.7687,
43.2927


 102.4723,
135.3403, 172.7697

 12.4713, 20.4228,
29.7817

 130.5513,
169.5138, 213.9793

 7.1400, 12.7028,
19.4223

 163.3413,
209.0038, 261.2703

 3.5969, 7.2242,
11.7959

201.2079,
254.1950, 315.0612

 1.4767, 3.6027,
6.4840

244.5162,

 0.3099, 1.4539,

305.4715, 375.7705

3.0681

293.6316,
363.2179, 443.8167

■ 0.0000, 0.2559,
1.1295

■ 0.0000, 0.0000,
0.0000

■ 42.8483, 60.8758,
81.4434

■ 42.8483, 60.8758,
81.4434

■ 41.7395, 60.3055,
81.3927

■ 44.5465, 61.7526,
81.5244

■ 41.1354, 59.9941,
81.3643

■ 46.8941, 62.9628,
81.6345

■ 40.9249, 59.8856,
81.3543

■ 49.9499, 64.5381,
81.7776

■ 53.7644, 66.5046,
81.9563

■ 58.3836, 68.8859,
82.1727

■ 63.8501, 71.7039,
82.4287

■ 70.2030, 74.9790,
82.7262

■ 77.4795, 78.7301,
83.0669

■ 82.1653, 81.1457,
83.2863

Harmonies

Analogous

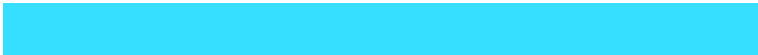
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.6427, 60.8758, 55.4862



42.8483, 60.8758, 81.4434



46.7968, 60.8758, 109.0830

Triad

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



42.8483, 60.8758, 81.4434



71.3310, 60.8758, 106.3623



61.9489, 60.8758, 28.8895

Complementary

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



42.8483, 60.8758, 81.4434



33.8771, 19.8451, 6.4617

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.



70.5438, 60.8758, 36.4611



42.8483, 60.8758, 81.4434



76.3264, 60.8758, 78.3977

Square

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



42.8483, 60.8758, 81.4434



62.9367, 60.8758, 125.8238



76.0242, 60.8758, 53.1320



53.0651, 60.8758, 29.3056

Rectangle

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



42.8483, 60.8758, 81.4434



51.2770, 60.8758, 122.7867



76.0242, 60.8758, 53.1320



64.9849, 60.8758, 30.4800

Sweetspot

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



42.8501, 60.8781, 81.4449



77.3366, 90.8684, 108.0705



30.1388, 55.8136, 13.6011



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.



42.8501, 60.8781, 81.4449



54.3627, 79.0250, 106.9938



25.9717, 27.1208, 75.8199



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.



33.8771, 19.8451, 6.4617



41.9617, 22.3161, 3.3648



41.6969, 35.4847, 9.0681



13.7073, 13.7006, 14.2288



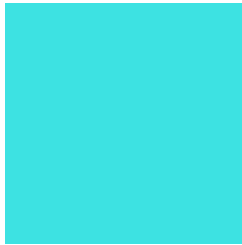
17.8932, 9.2243, 0.8374



1.2403, 0.6394, 0.0581

Previews

White Background



This preview shows how the XYZ color 42.8483, 60.8758, 81.4434 looks on a white background.

Color Contrast Check

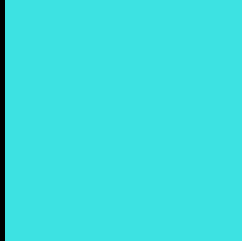
Large Text (above 18pt) WCAG AA × Fail

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 42.8483, 60.8758, 81.4434 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

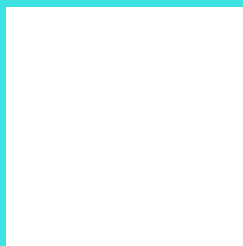
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8483, 60.8758, 81.4434

Background



This preview shows how black text looks on a background with the XYZ color 42.8483, 60.8758, 81.4434.

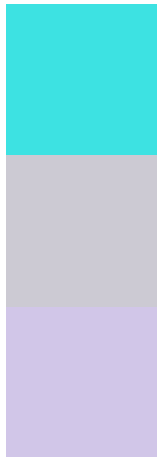


This preview shows how white text looks on a background with the XYZ color 42.8483, 60.8758,

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

42.8483, 60.8758, 81.4434

Protanopia

57.7802, 59.7816, 70.1217

Deuteranopia

61.0541, 59.7697, 84.6627



Tritanopia

45.2812, 61.0617, 93.4039

Trichromacy



Original Color

42.8483, 60.8758, 81.4434



Protanomaly

48.6378, 58.2218, 73.6402



Deuteranomaly

50.3564, 57.7935, 83.3641



Tritanomaly

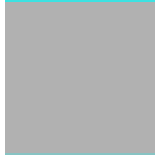
44.3803, 61.0998, 88.8112

Monochromacy



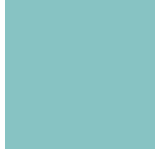
Original Color

42.8483, 60.8758, 81.4434



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 42.8483, 60.8758, 81.4434 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(61, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(61, 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(61, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 226, 226) }
```

Border

The CSS property to change the border of an element to XYZ 42.8483, 60.8758, 81.4434 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(61, 226, 226) }
```


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

```
.border{ border-color:rgb(61, 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(61, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(61, 226,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8483, 60.8758, 81.4434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 226, 226) }
```

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

```
.background{ background-color: rgb(61, 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](#).

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