

Converting Colors

XYZ(41.5893, 59.7648, 80.4246)

Have a look what the booklet for
XYZ(41.5893, 59.7648, 80.4246)
contains.

XYZ(41.6881, 59.8910, 80.5971)	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(41.6881, 59.8910,
80.5971)**

Conversions

Conversions Part 1

Format	Color
Hex	2FE1E1
RGB	47, 225, 225
RGB Percent	18%, 88%, 88%
CMY	0.8156, 0.1176, 0.1176
CMYK	0.79, 0.00, 0.00, 0.12
HSL	180°, 75%, 53%
HSV	180°, 79%, 88%
XYZ	41.6881, 59.8910, 80.5971
YIQ	171.7780, -106.0880, -37.7360

Conversions

Conversions Part 2

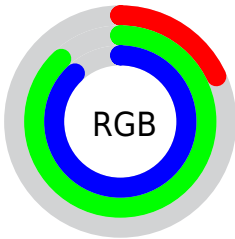
Format	Color
RYB	47, 136, 225
Decimal	3138017
CIELab	81.78, -41.57, -12.33
CIElCh	82, 43.359, 196.527
Yxy	59.8910, 0.2288, 0.3288
Android (android.graphics.Color)	4281328097 (0xFF2FE1E1)
YUV	171.7780, 26.2384, -109.4303
Hunter-Lab	77.3893, -39.2767, -7.5751

Details

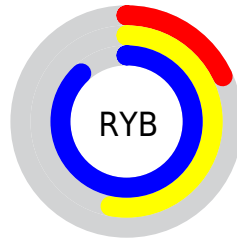
The XYZ color **41.6881, 59.8910, 80.5971** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **32.5829, 18.2477, 4.4960**, and the grayscale version is **39.0135, 41.0452, 44.6982**.

A 20% lighter version of the original color is **62.4142, 83.1756, 107.3727**, and **21.4437, 31.2782, 42.9373** is the 20% darker color. If you saturate the color by 10%, you get **40.9059, 59.4891, 80.5617**, and if you desaturate by 10%, it is **43.0079, 60.5727, 80.6604**.

Distribution



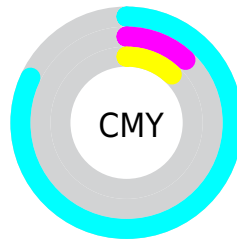
- Red (18%)
- Green (88%)
- Blue (88%)



- Red (18%)
- Yellow (53%)
- Blue (88%)



- Cyan (79%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)





- Cyan (82%)
- Magenta (12%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6881, 59.8910, 80.5971 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 41.6881, 59.8910, 80.5971 by changing the saturation by 10% instead.


 41.6881, 59.8910,
80.5971


 41.6881, 59.8910,
80.5971


344.2020,
424.1959, 516.7026


 29.0472, 43.3308,
59.6808


 76.9955, 104.6715,
136.0239


 19.2610, 30.1447,
42.7378


 100.3927,
133.6606, 171.3714

 11.9641, 19.9485,
29.3495


 128.1060,
167.5615, 212.3664

 6.7913, 12.3576,
19.0976

 160.5008,
206.7585, 259.4274

 3.3771, 6.9877,
11.5633

197.9424,
251.6361, 312.9730

 1.3562, 3.4544,
6.3281

240.7963,

 0.2247, 1.3733,

302.5785, 373.4217

2.9736

289.4277,
359.9703, 441.1920

■ 0.0000, 0.1969,
1.0812

■ 0.0000, 0.0000,
0.0000

■ 41.6881, 59.8910,
80.5971

■ 41.6881, 59.8910,
80.5971

■ 40.9059, 59.4891,
80.5617

■ 43.0079, 60.5727,
80.6604


■ 40.5421, 59.3015,
80.5445


■ 44.9322, 61.5647,
80.7506


■ 40.5169, 59.2885,
80.5433


■ 47.5238, 62.9007,
80.8720


■ 50.8363, 64.6083,
81.0272

 54.9179, 66.7125,
81.2184

 59.8126, 69.2358,
81.4476

 65.5611, 72.1992,
81.7168

 72.2013, 75.6224,
82.0277

 79.7691, 79.5237,
82.3820

Harmonies

Analogous

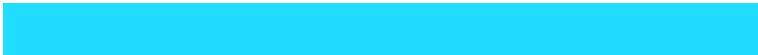
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.4915, 59.8910, 54.1765



41.6881, 59.8910, 80.5971



45.6723, 59.8910, 108.9647

Triad

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



41.6881, 59.8910, 80.5971



70.6499, 59.8910, 106.3164



61.1168, 59.8910, 27.4980

Complementary

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



41.6881, 59.8910, 80.5971



32.5829, 18.2477, 4.4960

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.



69.8880, 59.8910, 35.0881



41.6881, 59.8910, 80.5971



75.7764, 59.8910, 77.6507

Square

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



41.6881, 59.8910, 80.5971



62.0701, 59.8910, 126.3199



75.4835, 59.8910, 51.9196



52.0717, 59.8910, 27.8901

Rectangle

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



41.6881, 59.8910, 80.5971



50.2094, 59.8910, 123.1075



75.4835, 59.8910, 51.9196



64.2133, 59.8910, 29.0905

Sweetspot

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



41.6899, 59.8932, 80.5985



76.0067, 90.1828, 108.0083



28.7540, 54.7352, 11.7404



15.7852, 19.0537, 23.0956



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.



41.6899, 59.8932, 80.5985



53.9719, 78.8235, 106.9756



23.9931, 24.4993, 74.7008



14.1166, 15.5724, 17.6494



23.3469, 34.1636, 46.4112



1.6183, 2.3680, 3.2170

Inverse Universe

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



32.5829, 18.2477, 4.4960



41.4518, 21.5699, 2.3511



39.9591, 33.0002, 6.9545



13.7073, 13.7006, 14.2288



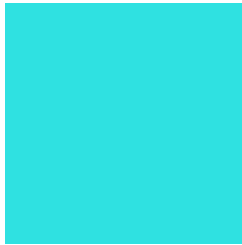
17.8932, 9.2243, 0.8374



1.2403, 0.6394, 0.0581

Previews

White Background



This preview shows how the XYZ color 41.6881, 59.8910, 80.5971 looks on a white background.

Color Contrast Check

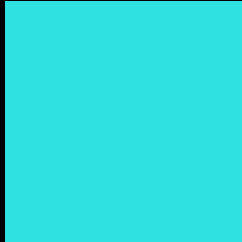
Large Text (above 18pt) WCAG AA × Fail

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 41.6881, 59.8910, 80.5971 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

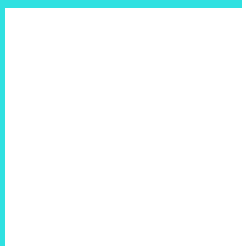
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.6881, 59.8910, 80.5971

Background



This preview shows how black text looks on a background with the XYZ color 41.6881, 59.8910, 80.5971.



This preview shows how white text looks on a background with the XYZ color 41.6881, 59.8910,

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

41.6881, 59.8910, 80.5971

Protanopia

56.9157, 58.6582, 69.2952

Deuteranopia

59.8959, 58.5148, 83.7389



Tritanopia

44.1283, 60.0869, 92.4912

Trichromacy



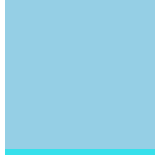
Original Color

41.6881, 59.8910, 80.5971



Protanomaly

46.9203, 56.6182, 72.7454



Deuteranomaly

48.8501, 56.6724, 82.4929



Tritanomaly

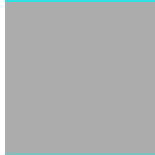
43.2266, 60.1217, 87.9236

Monochromacy



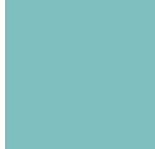
Original Color

41.6881, 59.8910, 80.5971



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.7872, 45.5352, 56.1405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6881, 59.8910, 80.5971 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(47, 225, 225)` looks like.

```
.text, #text, p{  
    color:rgb(47, 225, 225)  
}
```

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(47, 225, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 225, 225) }
```

Border

The CSS property to change the border of an element to XYZ 41.6881, 59.8910, 80.5971 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(47, 225, 225) }
```


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

```
.border{ border-color:rgb(47, 225, 225) }
```

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

Here you see how a box with a 4 pixel rgb(47, 225, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 225, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 225, 225);  
box-shadow:4px 4px 4px 4px rgb(47, 225,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6881, 59.8910, 80.5971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 225, 225) }
```

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

```
.background{ background-color: rgb(47, 225,  
225) }
```

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