

Converting Colors

XYZ(31.9634, 42.0967, 40.9571)

Have a look what the booklet for
XYZ(31.9634, 42.0967, 40.9571)
contains.

XYZ(31.9889, 42.1069, 41.0918)	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(31.9889, 42.1069,
41.0918)**

Conversions

Conversions Part 1

Format	Color
Hex	77BBA3
RGB	119, 187, 163
RGB Percent	47%, 73%, 64%
CMY	0.5333, 0.2667, 0.3608
CMYK	0.36, 0.00, 0.13, 0.27
HSL	159°, 33%, 60%
HSV	159°, 36%, 73%
XYZ	31.9889, 42.1069, 41.0918
YIQ	163.9320, -32.8240, -21.8800

Conversions

Conversions Part 2

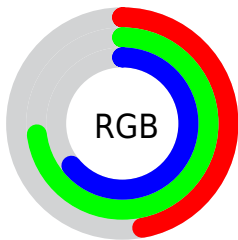
Format	Color
R_{YB}	119, 160, 187
Decimal	7846819
CIE _{Lab}	70.94, -26.97, 5.37
CIE _{LCh}	71, 27.496, 168.731
Yxy	42.1069, 0.2777, 0.3656
Android (android.graphics.Color)	4286036899 (0xFF77BBA3)
YUV	163.9320, -0.4595, -39.4054
Hunter-Lab	64.8898, -25.5616, 7.8772

Details

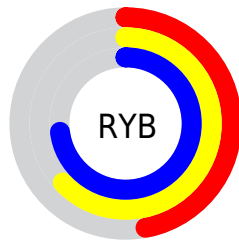
The XYZ color **31.9889, 42.1069, 41.0918** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.0497, 25.7426, 29.2678**, and the grayscale version is **35.2685, 37.1052, 40.4075**.

A 20% lighter version of the original color is **61.9391, 78.0474, 78.1298**, and **13.5035, 19.0810, 18.0102** is the 20% darker color. If you saturate the color by 10%, you get **29.0948, 40.6826, 37.9499**, and if you desaturate by 10%, it is **35.4212, 43.8073, 44.4219**.

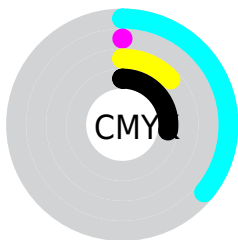
Distribution



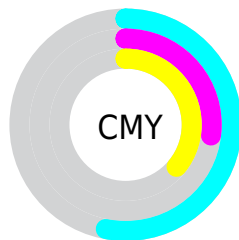
- Red (47%)
- Green (73%)
- Blue (64%)



- Red (47%)
- Yellow (63%)
- Blue (73%)



- Cyan (36%)
- Magenta (0%)
- Yellow (13%)
- Black (27%)





- Cyan (53%)
- Magenta (27%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9889, 42.1069, 41.0918 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 31.9889, 42.1069, 41.0918 by changing the saturation by 10% instead.


 31.9889, 42.1069,
41.0918


 31.9889, 42.1069,
41.0918


302.8149,
354.9259, 366.3921


 21.5085, 29.1850,
28.0706


 62.1590, 78.3614,
78.0784

 13.6108, 19.2208,
18.1394


 82.5794, 102.4628,
102.8809

 7.9304, 11.8299,
10.8796

 107.0439,
131.0594, 132.4475

 4.1018, 6.6280,
5.8728

135.9179,
164.5358, 167.1969

 1.7599, 3.2306,
2.7003

169.5666,
203.2762, 207.5475

 0.4933, 1.2533,
0.9436

208.3554,

 0.0000, 0.1046,

247.6651, 253.9179

0.0000

252.6497,
298.0869, 306.7266

■ 0.0000, 0.0000,
0.0000

■ 31.9889, 42.1069,
41.0918

■ 31.9889, 42.1069,
41.0918

■ 29.0948, 40.6826,
37.9499

■ 35.4212, 43.8073,
44.4219

■ 26.7051, 39.5137,
34.9894

■ 39.4160, 45.7929,
47.9409

■ 24.7877, 38.5849,
32.2073


■ 44.0001, 48.0787,
51.6534


■ 23.3051, 37.8767,
29.5992


■ 49.1979, 50.6771,
55.5628


■ 22.2136, 37.3669,
27.1605


■ 55.0322, 53.5999,
59.6723


 21.4563, 37.0261,
24.8858

 61.5244, 56.8580,
63.9852

 21.2222, 36.9226,
24.0969

 68.6952, 60.4621,
68.5046

 71.3806, 61.7500,
72.9909

 72.2504, 62.0979,
77.5711

Harmonies

Analogous

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



33.7587, 42.1069, 31.1388



31.9889, 42.1069, 41.0918



32.2451, 42.1069, 54.4352

Triad

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



31.9889, 42.1069, 41.0918



42.9173, 42.1069, 74.1300



46.1175, 42.1069, 29.3792

Complementary

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



31.9889, 42.1069, 41.0918



32.0497, 25.7426, 29.2678

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.



48.9569, 42.1069, 38.2137



31.9889, 42.1069, 41.0918



47.0142, 42.1069, 64.5822

Square

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



31.9889, 42.1069, 41.0918



38.3245, 42.1069, 75.3068



49.2970, 42.1069, 50.9561



41.7676, 42.1069, 25.2892

Rectangle

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



31.9889, 42.1069, 41.0918



33.5353, 42.1069, 63.5124



49.2970, 42.1069, 50.9561



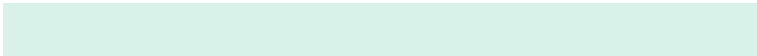
47.2940, 42.1069, 31.8050

Sweetspot

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



31.9901, 42.1086, 41.0928



74.7139, 84.0659, 89.2628



32.5914, 42.7976, 23.9964



16.2090, 18.3909, 19.4585



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.9901, 42.1086, 41.0928



52.8993, 73.2488, 68.8726



32.4858, 39.3257, 52.8941



9.6617, 10.7508, 11.4679



14.6569, 25.4531, 16.7881



0.6041, 1.0090, 0.8154

Inverse Universe

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



32.0497, 25.7426, 29.2678



53.0303, 39.4623, 44.5005



31.5524, 27.3535, 21.0701



9.6655, 9.5905, 10.6276



14.8292, 7.5628, 4.3944



0.6124, 0.3088, 0.3379

Previews

White Background



This preview shows how the XYZ color 31.9889, 42.1069, 41.0918 looks on a white background.

Color Contrast Check

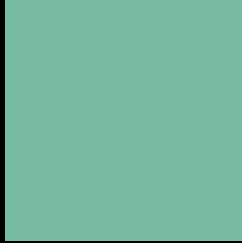
Large Text (above 18pt) WCAG AA × Fail

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 31.9889, 42.1069, 41.0918 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 31.9889, 42.1069, 41.0918

Background



This preview shows how black text looks on a background with the XYZ color 31.9889, 42.1069, 41.0918.



This preview shows how white text looks on a background with the XYZ color 31.9889, 42.1069, 41.0918.

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

31.9889, 42.1069, 41.0918

Protanopia

39.4913, 41.5749, 36.9537

Deuteranopia

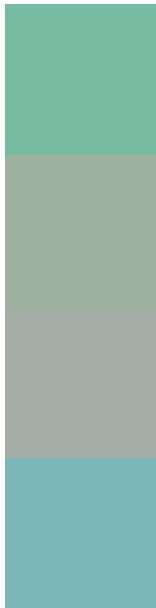
42.5320, 41.6339, 42.3537



Tritanopia

35.5584, 41.9991, 59.0558

Trichromacy



Original Color

31.9889, 42.1069, 41.0918

Protanomaly

35.9942, 41.1820, 38.3996

Deuteranomaly

37.5360, 41.0246, 42.0166

Tritanomaly

34.2096, 42.0688, 52.2160

Monochromacy



Original Color

31.9889, 42.1069, 41.0918

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.6661, 38.4813, 40.7752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9889, 42.1069, 41.0918 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(119, 187, 163)` looks like.

```
.text, #text, p{  
    color:rgb(119, 187, 163)  
}
```

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(119, 187, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 187, 163) }
```

Border

The CSS property to change the border of an element to XYZ 31.9889, 42.1069, 41.0918 is called "border". The border property can be set on classes, ids or directly on the HTML element.

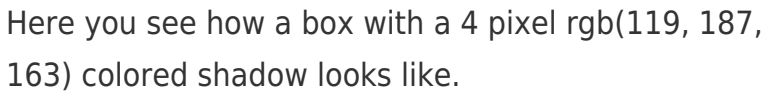
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 187, 163) }
```


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

```
.border{ border-color:rgb(119, 187, 163) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 187, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 187, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 187, 163);  
box-shadow:4px 4px 4px 4px rgb(119, 187,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9889, 42.1069, 41.0918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 187, 163) }
```

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

```
.background{ background-color: rgb(119,  
187, 163) }
```

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