

Converting Colors

XYZ(32.0381, 42.2465, 37.2951)

Have a look what the booklet for
XYZ(32.0381, 42.2465, 37.2951)
contains.

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Color

**XYZ(31.9989, 42.1923,
37.4678)**

Conversions

Conversions Part 1

Format	Color
Hex	7CBB9B
RGB	124, 187, 155
RGB Percent	49%, 73%, 61%
CMY	0.5137, 0.2667, 0.3922
CMYK	0.34, 0.00, 0.17, 0.27
HSL	150°, 32%, 61%
HSV	150°, 34%, 73%
XYZ	31.9989, 42.1923, 37.4678
YIQ	164.5150, -27.2760, -23.3080

Conversions

Conversions Part 2

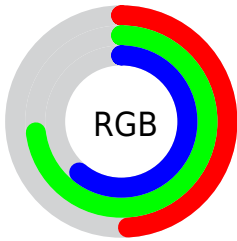
Format	Color
RYB	124, 166, 187
Decimal	8174491
CIELab	71.00, -27.18, 9.85
CIELCh	71, 28.914, 160.073
Yxy	42.1923, 0.2866, 0.3779
Android (android.graphics.Color)	4286364571 (0xFF7CBB9B)
YUV	164.5150, -4.6909, -35.5317
Hunter-Lab	64.9556, -25.7383, 11.2692

Details

The XYZ color **31.9989, 42.1923, 37.4678** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.7033, 27.3814, 34.9629**, and the grayscale version is **35.5640, 37.4161, 40.7462**.

A 20% lighter version of the original color is **61.9193, 78.1696, 72.1464**, and **13.5587, 19.1523, 16.0788** is the 20% darker color. If you saturate the color by 10%, you get **28.7820, 40.6236, 33.3159**, and if you desaturate by 10%, it is **35.7934, 44.0538, 41.9761**.

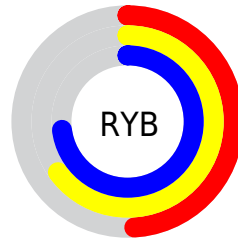
Distribution



Red (49%)

Green (73%)

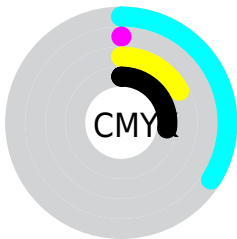
Blue (61%)



Red (49%)

Yellow (65%)

Blue (73%)

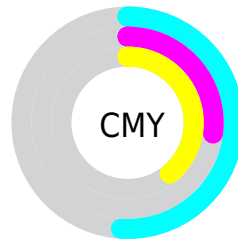


Cyan (34%)

Magenta (0%)

Yellow (17%)

Black (27%)



Cyan (51%)


Magenta (27%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9989, 42.1923, 37.4678 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 31.9989, 42.1923, 37.4678 by changing the saturation by 10% instead.


 31.9989, 42.1923,
37.4678


 31.9989, 42.1923,
37.4678


302.8596,
355.2795, 350.5609


 21.5162, 29.2519,
25.2713


 62.1746, 78.4906,
72.4860

 13.6165, 19.2715,
16.0584


 82.5983, 102.6172,
96.1448

 7.9343, 11.8666,
9.4107


 107.0663,
131.2415, 124.4614

 4.1044, 6.6529,
4.9096

135.9441,
164.7476, 157.8544

 1.7614, 3.2460,
2.1365

169.5970,
203.5201, 196.7423

 0.4942, 1.2615,
0.6374

208.3903,

 0.0000, 0.1111,

247.9433, 241.5437

0.0000

252.6894,
298.4016, 292.6770

■ 0.0000, 0.0000,
0.0000

■ 31.9989, 42.1923,
37.4678

■ 31.9989, 42.1923,
37.4678

■ 28.7820, 40.6236,
33.3159

■ 35.7934, 44.0538,
41.9761

■ 26.1086, 39.3270,
29.5088

■ 40.1902, 46.2171,
46.8467

■ 23.9466, 38.2870,
26.0379


■ 45.2166, 48.6975,
52.0886


■ 22.2586, 37.4847,
22.8936


■ 50.8974, 51.5075,
57.7098


■ 21.0018, 36.8981,
20.0654


■ 57.2558, 54.6590,
63.7181


 20.1249, 36.5009,
17.5420

 64.3139, 58.1632,
70.1210

 19.7035, 36.3152,
16.0996

 72.0929, 62.0309,
76.9256

 73.4339, 62.5713,
83.8031

 74.8125, 63.1228,
91.0624

Harmonies

Analogous

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



34.4226, 42.1923, 28.4627



31.9989, 42.1923, 37.4678



31.6454, 42.1923, 50.7448

Triad

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



31.9989, 42.1923, 37.4678



41.7468, 42.1923, 77.3740



47.6277, 42.1923, 30.8729

Complementary

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



31.9989, 42.1923, 37.4678



33.7033, 27.3814, 34.9629

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.



49.9462, 42.1923, 41.4490



31.9989, 42.1923, 37.4678



46.3752, 42.1923, 69.4147

Square

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



31.9989, 42.1923, 37.4678



37.0234, 42.1923, 75.7140



49.4703, 42.1923, 55.6023



43.3478, 42.1923, 25.2179

Rectangle

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



31.9989, 42.1923, 37.4678



32.5990, 42.1923, 60.5792



49.4703, 42.1923, 55.6023



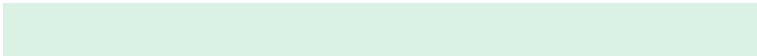
48.6772, 42.1923, 33.8728

Sweetspot

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



32.0001, 42.1940, 37.4688



75.0227, 84.2725, 87.1344



35.2268, 44.1207, 25.7288



16.2491, 18.4240, 18.9011



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.



32.0001, 42.1940, 37.4688



53.1943, 73.5563, 61.8634



34.9415, 43.3706, 52.9583



9.5992, 10.7258, 11.1387



13.6117, 25.0349, 11.2836



0.5662, 0.9939, 0.6160

Inverse Universe

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



33.7033, 27.3814, 34.9629



56.6846, 43.2002, 56.7264



31.4072, 26.4630, 22.8719



9.7269, 9.6151, 10.9509



15.5796, 7.8630, 8.3456



0.6432, 0.3212, 0.5006

Previews

White Background



This preview shows how the XYZ color 31.9989, 42.1923, 37.4678 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 31.9989, 42.1923, 37.4678 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 31.9989, 42.1923, 37.4678

Background



This preview shows how black text looks on a background with the XYZ color 31.9989, 42.1923, 37.4678.



This preview shows how white text looks on a background with the XYZ color 31.9989, 42.1923,

37.4678.

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

31.9989, 42.1923, 37.4678

Protanopia

39.5803, 41.9703, 34.0320

Deuteranopia

42.5824, 41.7427, 38.6137



Tritanopia

36.1605, 42.0198, 58.4293

Trichromacy



Original Color

31.9989, 42.1923, 37.4678

Protanomaly

36.2043, 41.6522, 35.4097

Deuteranomaly

37.6698, 41.1757, 38.3101

Tritanomaly

34.4799, 41.9490, 49.9957

Monochromacy



Original Color

31.9989, 42.1923, 37.4678

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

33.9543, 38.9444, 39.4456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9989, 42.1923, 37.4678 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(124, 187, 155)` looks like.

```
.text, #text, p{  
    color:rgb(124, 187, 155)  
}
```

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(124, 187, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 187, 155) }
```

Border

The CSS property to change the border of an element to XYZ 31.9989, 42.1923, 37.4678 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(124, 187, 155) }
```


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

```
.border{ border-color:rgb(124, 187, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 187, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 187, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 187, 155);  
box-shadow:4px 4px 4px 4px rgb(124, 187,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9989, 42.1923, 37.4678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 187, 155) }
```

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

```
.background{ background-color: rgb(124,  
187, 155) }
```

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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