

Converting Colors

XYZ(33.0780, 41.4095, 43.8556)

Have a look what the booklet for
XYZ(33.0780, 41.4095, 43.8556)
contains.

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Color

**XYZ(32.9970, 41.3207,
43.7727)**

Conversions

Conversions Part 1

Format	Color
Hex	80B7A9
RGB	128, 183, 169
RGB Percent	50%, 72%, 66%
CMY	0.4980, 0.2823, 0.3372
CMYK	0.30, 0.00, 0.08, 0.28
HSL	165°, 28%, 61%
HSV	165°, 30%, 72%
XYZ	32.9970, 41.3207, 43.7727
YIQ	164.9590, -28.2860, -16.0140

Conversions

Conversions Part 2

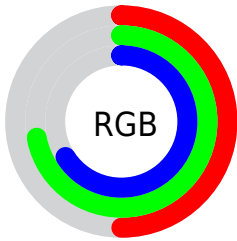
Format	Color
RYB	128, 160, 183
Decimal	8435625
CIELab	70.40, -21.00, 1.36
CIElCh	70, 21.047, 176.303
Yxy	41.3207, 0.2794, 0.3499
Android (android.graphics.Color)	4286625705 (0xFF80B7A9)
YUV	164.9590, 1.9922, -32.4130
Hunter-Lab	64.2812, -20.8639, 4.6229

Details

The XYZ color **32.9970, 41.3207, 43.7727** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.1315, 27.4597, 29.1996**, and the grayscale version is **35.7459, 37.6075, 40.9545**.

A 20% lighter version of the original color is **63.6125, 77.0599, 82.0423**, and **14.1740, 18.7861, 19.7087** is the 20% darker color. If you saturate the color by 10%, you get **30.0594, 39.8570, 41.3933**, and if you desaturate by 10%, it is **36.4490, 43.0499, 46.2594**.

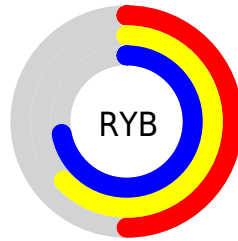
Distribution



Red (50%)

Green (72%)

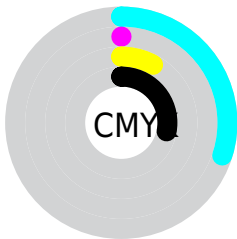
Blue (66%)



Red (50%)

Yellow (63%)

Blue (72%)

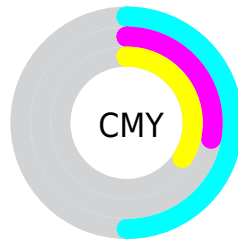


Cyan (30%)

Magenta (0%)

Yellow (8%)

Black (28%)



Cyan (50%)

Magenta (28%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9970, 41.3207, 43.7727 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 32.9970, 41.3207, 43.7727 by changing the saturation by 10% instead.

■ 32.9970, 41.3207,
43.7727

■ 32.9970, 41.3207,
43.7727

307.3014,
351.6592, 377.7941

■ 22.2834, 28.5698,
30.1560

■ 63.7256, 77.1705,
82.1744

■ 14.1830, 18.7556,
19.7039

■ 84.4712, 101.0381,
107.7965

■ 8.3306, 11.4938,
11.9981

■ 109.2915,
129.3801, 138.2575

■ 4.3608, 6.4000,
6.6199

138.5520,
162.5809, 173.9758

■ 1.9082, 3.0898,
3.1507

172.6178,
201.0247, 215.3701

■ 0.5816, 1.1788,
1.1721

211.8544,

■ 0.0000, 0.0443,

245.0962, 262.8589

0.0000

256.6272,
295.1795, 316.8607

■ 0.0000, 0.0000,
0.0000

■ 32.9970, 41.3207,
43.7727

■ 32.9970, 41.3207,
43.7727

■ 30.0594, 39.8570,
41.3933

■ 36.4490, 43.0499,
46.2594

■ 27.6058, 38.6400,
39.1161

■ 40.4367, 45.0524,
48.8524

■ 25.6080, 37.6562,
36.9400

■ 44.9846, 47.3418,
51.5546

■ 24.0334, 36.8888,
34.8625

■ 50.1143, 49.9293,
54.3679

■ 22.8449, 36.3188,
32.8810

■ 55.8467, 52.8256,
57.2940

■ 21.9987, 35.9235,
30.9926

■ 62.2012, 56.0408,
60.3346

■ 21.4077, 35.6578,
29.2018

■ 68.7891, 59.3744,
63.4722

■ 69.3479, 59.5979,
66.4145

■ 69.9234, 59.8281,
69.4453

Harmonies

Analogous

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



33.9906, 41.3207, 35.2188



32.9970, 41.3207, 43.7727



33.6022, 41.3207, 53.9814

Triad

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



32.9970, 41.3207, 43.7727



42.2991, 41.3207, 64.3434



43.0854, 41.3207, 30.9174

Complementary

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



32.9970, 41.3207, 43.7727



32.1315, 27.4597, 29.1996

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.



45.5509, 41.3207, 37.0591



32.9970, 41.3207, 43.7727



45.0785, 41.3207, 56.4222

Square

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



32.9970, 41.3207, 43.7727



38.8463, 41.3207, 66.8306



46.3007, 41.3207, 46.2321



39.7050, 41.3207, 28.5180

Rectangle

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



32.9970, 41.3207, 43.7727



34.8512, 41.3207, 60.2351



46.3007, 41.3207, 46.2321



44.0561, 41.3207, 32.5641

Sweetspot

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



32.9982, 41.3224, 43.7736



73.1146, 81.0348, 87.9207



32.1011, 41.2371, 26.6905



15.9030, 17.7745, 19.2666



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



32.9982, 41.3224, 43.7736



55.5539, 72.2368, 75.5855



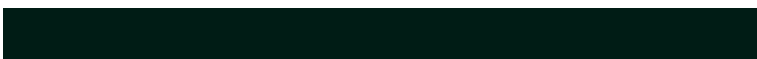
31.8566, 36.8216, 50.2299



9.1664, 10.1705, 11.0334



14.9626, 24.8860, 20.5228



0.5510, 0.8867, 0.8472

Inverse Universe

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



32.1315, 27.4597, 29.1996



53.7594, 43.4511, 45.3480



32.9264, 30.6276, 24.5991



9.0959, 9.0487, 9.8526



13.9996, 7.1736, 2.6187



0.5194, 0.2632, 0.2285

Previews

White Background



This preview shows how the XYZ color 32.9970, 41.3207, 43.7727 looks on a white background.

Color Contrast Check

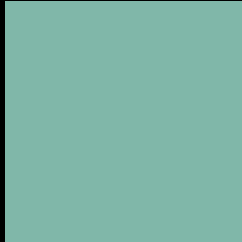
Large Text (above 18pt) WCAG AA × Fail

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 32.9970, 41.3207, 43.7727 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

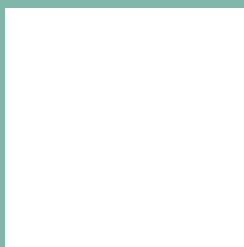
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.9970, 41.3207, 43.7727

Background



This preview shows how black text looks on a background with the XYZ color 32.9970, 41.3207, 43.7727.

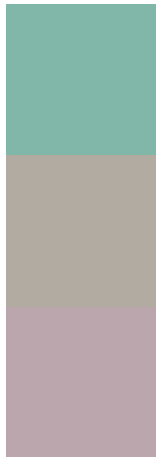


This preview shows how white text looks on a background with the XYZ color 32.9970, 41.3207,

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

32.9970, 41.3207, 43.7727

Protanopia

39.2160, 41.0816, 40.0451

Deuteranopia

41.6726, 40.8544, 45.2245



Tritanopia

35.5306, 41.1218, 57.1036

Trichromacy



Original Color

32.9970, 41.3207, 43.7727

Protanomaly

36.4196, 40.7475, 41.5428

Deuteranomaly

37.9248, 40.5906, 44.8656

Tritanomaly

34.4383, 40.9706, 51.9920

Monochromacy



Original Color

32.9970, 41.3207, 43.7727

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.5844, 38.9336, 41.7685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9970, 41.3207, 43.7727 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(128, 183, 169)` looks like.

```
.text, #text, p{  
    color:rgb(128, 183, 169)  
}
```

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(128, 183, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 183, 169) }
```

Border

The CSS property to change the border of an element to XYZ 32.9970, 41.3207, 43.7727 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(128, 183, 169) }
```


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

```
.border{ border-color:rgb(128, 183, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 183, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 183, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 183, 169);  
box-shadow:4px 4px 4px 4px rgb(128, 183,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9970, 41.3207, 43.7727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 183, 169) }
```

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

```
.background{ background-color: rgb(128,  
183, 169) }
```

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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