

Converting Colors

XYZ(30.9099, 40.6320, 40.1850)

Have a look what the booklet for
XYZ(30.9099, 40.6320, 40.1850)
contains.

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Color

**XYZ(30.9982, 40.6715,
40.3990)**

Conversions

Conversions Part 1

Format	Color
Hex	75B8A2
RGB	117, 184, 162
RGB Percent	46%, 72%, 64%
CMY	0.5412, 0.2784, 0.3647
CMYK	0.36, 0.00, 0.12, 0.28
HSL	160°, 32%, 59%
HSV	160°, 36%, 72%
XYZ	30.9982, 40.6715, 40.3990
YIQ	161.4590, -32.8700, -21.0460

Conversions

Conversions Part 2

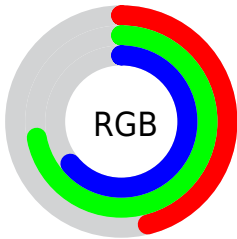
Format	Color
RYB	117, 157, 184
Decimal	7714978
CIELab	69.95, -26.29, 4.47
CIELCh	70, 26.663, 170.356
Yxy	40.6715, 0.2766, 0.3629
Android (android.graphics.Color)	4285905058 (0xFF75B8A2)
YUV	161.4590, 0.2667, -38.9905
Hunter-Lab	63.7742, -24.8429, 7.0836

Details

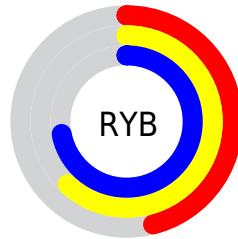
The XYZ color **30.9982, 40.6715, 40.3990** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.7901, 24.7781, 27.5876**, and the grayscale version is **34.1006, 35.8764, 39.0695**.

A 20% lighter version of the original color is **60.4791, 75.9879, 77.1252**, and **13.1107, 18.4822, 17.6283** is the 20% darker color. If you saturate the color by 10%, you get **28.2407, 39.3116, 37.5338**, and if you desaturate by 10%, it is **34.2697, 42.2955, 43.4248**.

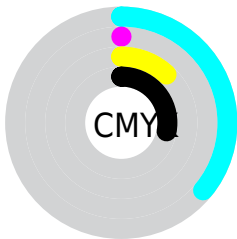
Distribution



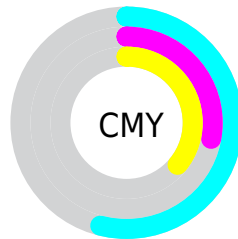
- Red (46%)
- Green (72%)
- Blue (64%)



- Red (46%)
- Yellow (62%)
- Blue (72%)



- Cyan (36%)
- Magenta (0%)
- Yellow (12%)
- Black (28%)





- Cyan (54%)
- Magenta (28%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9982, 40.6715, 40.3990 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 30.9982, 40.6715, 40.3990 by changing the saturation by 10% instead.


 30.9982, 40.6715,
40.3990


 30.9982, 40.6715,
40.3990


298.3571,
348.9458, 363.4044


 20.7493, 28.0625,
27.5336


 60.6131, 76.1850,
77.0144

 13.0523, 18.3728,
17.7384


 80.7098, 99.8582,
101.6016

 7.5418, 11.2179,
10.5949


 104.8198,
127.9883, 130.9331

 3.8525, 6.2136,
5.6844

133.3085,
160.9597, 165.4274

 1.6190, 2.9754,
2.5885

166.5412,
199.1568, 205.5032

 0.4048, 1.1189,
0.8865

204.8833,

 0.0000, 0.0000,

242.9639, 251.5789

0.0000

248.7001,
292.7654, 304.0731

■ 30.9982, 40.6715,
40.3990

■ 30.9982, 40.6715,
40.3990

■ 28.2407, 39.3116,
37.5338

■ 34.2697, 42.2955,
43.4248

■ 25.9648, 38.1960,
34.8231

■ 38.0785, 44.1925,
46.6115

■ 24.1398, 37.3099,
32.2644

■ 42.4504, 46.3766,
49.9629

■ 22.7296, 36.6348,
29.8543

■ 47.4086, 48.8599,
53.4818

■ 21.6926, 36.1493,
27.5886

■ 52.9749, 51.6535,
57.1712

■ 20.9734, 35.8248,
25.4627

■ 59.1700, 54.7681,
61.0335

■ 20.7528, 35.7270,
24.7320

■ 66.0136, 58.2139,
65.0714

■ 70.0565, 60.2125,
69.1251

■ 70.8254, 60.5201,
73.1741

Harmonies

Analogous

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



32.5794, 40.6715, 30.7165



30.9982, 40.6715, 40.3990



31.3476, 40.6715, 53.1309

Triad

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



30.9982, 40.6715, 40.3990



41.6338, 40.6715, 70.6899



44.2308, 40.6715, 28.3097

Complementary

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



30.9982, 40.6715, 40.3990



30.7901, 24.7781, 27.5876

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.



47.0226, 40.6715, 36.4787



30.9982, 40.6715, 40.3990



45.4471, 40.6715, 61.3541

Square

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



30.9982, 40.6715, 40.3990



37.2755, 40.6715, 72.2792



47.4837, 40.6715, 48.4112



40.0724, 40.6715, 24.6507

Rectangle

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



30.9982, 40.6715, 40.3990



32.6389, 40.6715, 61.6370



47.4837, 40.6715, 48.4112



45.3730, 40.6715, 30.5387

Sweetspot

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



30.9993, 40.6732, 40.3999



73.0388, 82.1115, 87.6316



31.0559, 41.0847, 23.1237



15.5179, 17.5878, 18.7163



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.



30.9993, 40.6732, 40.3999



51.9678, 71.6421, 68.8887



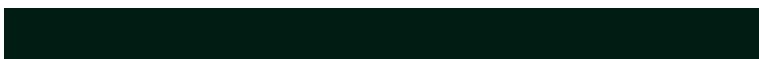
30.9008, 37.0674, 50.8754



9.1379, 10.1591, 10.8833



14.3357, 24.6352, 17.2217



0.5326, 0.8793, 0.7506

Inverse Universe

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



30.7901, 24.7781, 27.5876



51.5395, 38.4467, 42.1747



30.7203, 26.9577, 20.4146



9.1230, 9.0596, 9.9949



14.2227, 7.2628, 3.7935



0.5307, 0.2678, 0.2882

Previews

White Background



This preview shows how the XYZ color 30.9982, 40.6715, 40.3990 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 30.9982, 40.6715, 40.3990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

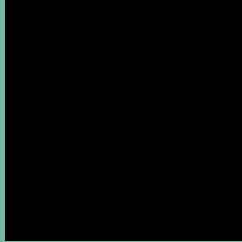
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.9982, 40.6715, 40.3990

Background



This preview shows how black text looks on a background with the XYZ color 30.9982, 40.6715, 40.3990.

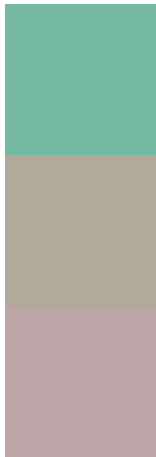


This preview shows how white text looks on a background with the XYZ color 30.9982, 40.6715,

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

30.9982, 40.6715, 40.3990

Protanopia

38.3389, 40.4297, 36.3549

Deuteranopia

41.0771, 40.3548, 41.7007



Tritanopia

34.1699, 40.4203, 57.0399

Trichromacy



Original Color

30.9982, 40.6715, 40.3990

Protanomaly

34.9333, 40.0628, 37.7900

Deuteranomaly

36.4443, 39.9030, 41.3785

Tritanomaly

32.8525, 40.4901, 50.3398

Monochromacy



Original Color

30.9982, 40.6715, 40.3990

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.2980, 36.9689, 39.1516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9982, 40.6715, 40.3990 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(117, 184, 162)` looks like.

```
.text, #text, p{  
    color:rgb(117, 184, 162)  
}
```

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(117, 184, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 184, 162) }
```

Border

The CSS property to change the border of an element to XYZ 30.9982, 40.6715, 40.3990 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(117, 184, 162) }
```


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

```
.border{ border-color:rgb(117, 184, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 184, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 184, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 184, 162);  
box-shadow:4px 4px 4px 4px rgb(117, 184,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9982, 40.6715, 40.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 184, 162) }
```

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

```
.background{ background-color: rgb(117,  
184, 162) }
```

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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