

Converting Colors

XYZ(32.4612, 39.9435, 44.4673)

Have a look what the booklet for
XYZ(32.4612, 39.9435, 44.4673)
contains.

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Color

**XYZ(32.3729, 39.7697,
44.4982)**

Conversions

Conversions Part 1

Format	Color
Hex	80B3AB
RGB	128, 179, 171
RGB Percent	50%, 70%, 67%
CMY	0.4980, 0.2980, 0.3294
CMYK	0.28, 0.00, 0.04, 0.30
HSL	171°, 25%, 60%
HSV	171°, 28%, 70%
XYZ	32.3729, 39.7697, 44.4982
YIQ	162.8390, -27.8280, -13.3000

Conversions

Conversions Part 2

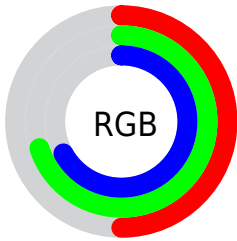
Format	Color
RYB	128, 156, 179
Decimal	8434603
CIELab	69.31, -18.51, -1.34
CIElCh	69, 18.562, 184.145
Yxy	39.7697, 0.2775, 0.3410
Android (android.graphics.Color)	4286624683 (0xFF80B3AB)
YUV	162.8390, 4.0234, -30.5538
Hunter-Lab	63.0632, -18.7294, 2.3085

Details

The XYZ color **32.3729, 39.7697, 44.4982** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.7549, 26.8007, 26.8463**, and the grayscale version is **34.7288, 36.5374, 39.7892**.

A 20% lighter version of the original color is **62.7272, 74.8527, 83.0935**, and **13.8512, 17.8314, 20.1645** is the 20% darker color. If you saturate the color by 10%, you get **29.6498, 38.3975, 42.9888**, and if you desaturate by 10%, it is **35.5790, 41.3923, 46.0616**.

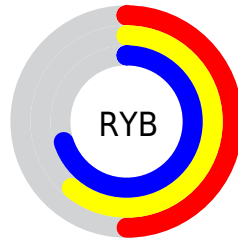
Distribution



Red (50%)

Green (70%)

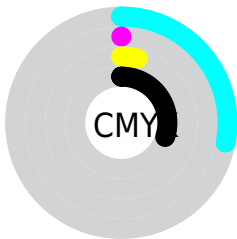
Blue (67%)



Red (50%)

Yellow (61%)

Blue (70%)

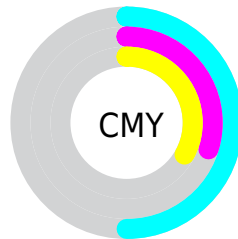


Cyan (28%)

Magenta (0%)

Yellow (4%)

Black (30%)



Cyan (50%)


Magenta (30%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3729, 39.7697, 44.4982 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 32.3729, 39.7697, 44.4982 by changing the saturation by 10% instead.


 32.3729, 39.7697,
44.4982


 32.3729, 39.7697,
44.4982


304.5296,
345.1519, 380.8381


 21.8034, 27.3590,
30.7223


 62.7565, 74.8127,
83.2773

 13.8283, 17.8430,
20.1308


 83.3013, 98.2138,
109.1177

 8.0823, 10.8374,
12.3051


 107.9019,
126.0472, 139.8165

 4.1999, 5.9576,
6.8268

136.9237,
158.6972, 175.7925

 1.8158, 2.8193,
3.2772

170.7320,
196.5483, 217.4641

 0.5272, 1.0381,
1.2379

209.6922,

 0.0000, 0.0000,

239.9849, 265.2499

0.0100

254.1696,
289.3913, 319.5684

■ 0.0000, 0.0000,
0.0000

■ 32.3729, 39.7697,
44.4982

■ 32.3729, 39.7697,
44.4982

■ 29.6498, 38.3975,
42.9888

■ 35.5790, 41.3923,
46.0616

■ 27.3812, 37.2580,
41.5293

■ 39.2878, 43.2723,
47.6776

■ 25.5410, 36.3386,
40.1192

■ 43.5222, 45.4226,
49.3483

■ 24.0990, 35.6239,
38.7569

■ 48.3024, 47.8536,
51.0747

■ 23.0210, 35.0962,
37.4406

■ 53.6478, 50.5753,
52.8579

■ 22.2669, 34.7348,
36.1682

■ 59.5767, 53.5972,
54.6991

■ 21.7683, 34.5045,
34.9364

■ 66.1066, 56.9282,
56.5992

■ 21.7000, 34.4733,
34.7534

■ 67.0390, 57.3729,
58.2682

■ 67.3564, 57.4999,
59.9395

Harmonies

Analogous

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



32.8788, 39.7697, 36.5389



32.3729, 39.7697, 44.4982



33.2573, 39.7697, 53.1719

Triad

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



32.3729, 39.7697, 44.4982



41.1049, 39.7697, 58.3379



40.3518, 39.7697, 30.1609

Complementary

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



32.3729, 39.7697, 44.4982



30.7549, 26.8007, 26.8463

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.



42.7385, 39.7697, 34.7367



32.3729, 39.7697, 44.4982



43.1891, 39.7697, 50.8530

Square

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



32.3729, 39.7697, 44.4982



38.2152, 39.7697, 61.7992



43.8019, 39.7697, 42.1283



37.3877, 39.7697, 28.9223

Rectangle

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



32.3729, 39.7697, 44.4982



34.5449, 39.7697, 57.9960



43.8019, 39.7697, 42.1283



41.2532, 39.7697, 31.3273

Sweetspot

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



32.3740, 39.7713, 44.4991



69.8933, 77.2592, 85.1916



30.2524, 39.0766, 26.3709



15.2618, 17.0036, 18.7805



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



32.3740, 39.7713, 44.4991



54.9112, 69.6785, 78.0371



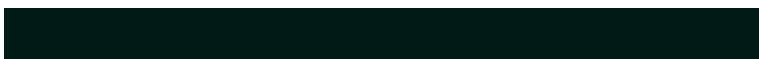
29.9603, 33.6859, 47.5727



8.6842, 9.6082, 10.5968



15.3533, 24.3673, 24.6610



0.4984, 0.7728, 0.8569

Inverse Universe

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



30.7549, 26.8007, 26.8463



51.5513, 42.7328, 41.3829



32.6135, 31.3943, 24.7636



8.5489, 8.5263, 9.1231



13.3018, 6.8383, 1.4833



0.4353, 0.2219, 0.1348

Previews

White Background



This preview shows how the XYZ color 32.3729, 39.7697, 44.4982 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 32.3729, 39.7697, 44.4982 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

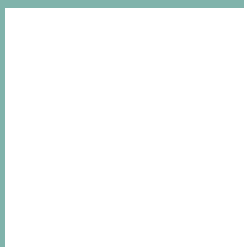
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3729, 39.7697, 44.4982

Background



This preview shows how black text looks on a background with the XYZ color 32.3729, 39.7697, 44.4982.

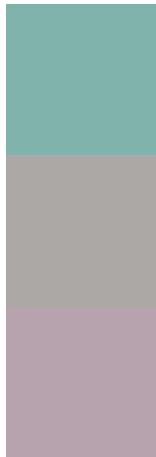


This preview shows how white text looks on a background with the XYZ color 32.3729, 39.7697,

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

32.3729, 39.7697, 44.4982

Protanopia

37.8074, 39.4925, 41.2275

Deuteranopia

40.0286, 39.1955, 45.5001



Tritanopia

34.3353, 39.6739, 54.5634

Trichromacy



Original Color

32.3729, 39.7697, 44.4982

Protanomaly

35.4379, 39.3630, 42.2893

Deuteranomaly

36.6311, 39.0744, 45.1466

Tritanomaly

33.6295, 39.6885, 50.6879

Monochromacy



Original Color

32.3729, 39.7697, 44.4982

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.6486, 37.6131, 41.5630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3729, 39.7697, 44.4982 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, 179, 171)` looks like.

```
.text, #text, p{  
    color:rgb(128, 179, 171)  
}
```

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, 179, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 179, 171) }
```

Border

The CSS property to change the border of an element to XYZ 32.3729, 39.7697, 44.4982 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, 179, 171) }
```


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

```
.border{ border-color:rgb(128, 179, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 179, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 179, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 179, 171);  
box-shadow:4px 4px 4px 4px rgb(128, 179,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3729, 39.7697, 44.4982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 179, 171) }
```

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

```
.background{ background-color: rgb(128,  
179, 171) }
```

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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