

Converting Colors

XYZ(32.7300, 39.2177, 47.8765)

Have a look what the booklet for
XYZ(32.7300, 39.2177, 47.8765)
contains.

XYZ(32.8113, 39.3258, 47.9808)	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(32.8113, 39.3258,
47.9808)**

Conversions

Conversions Part 1

Format	Color
Hex	81B1B2
RGB	129, 177, 178
RGB Percent	51%, 69%, 70%
CMY	0.4941, 0.3059, 0.3020
CMYK	0.28, 0.01, 0.00, 0.30
HSL	181°, 24%, 60%
HSV	181°, 28%, 70%
XYZ	32.8113, 39.3258, 47.9808
YIQ	162.7620, -28.9290, -9.8650

Conversions

Conversions Part 2

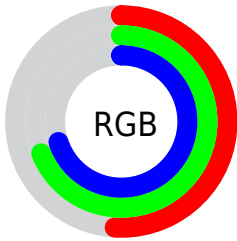
Format	Color
RYB	129, 153, 178
Decimal	8499634
CIELab	68.99, -15.57, -5.67
CIElCh	69, 16.570, 199.995
Yxy	39.3258, 0.2732, 0.3274
Android (android.graphics.Color)	4286689714 (0xFF81B1B2)
YUV	162.7620, 7.5123, -29.6093
Hunter-Lab	62.7103, -16.3482, -1.4667

Details

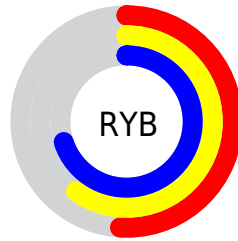
The XYZ color **32.8113, 39.3258, 47.9808** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.3056, 27.0154, 24.3869**, and the grayscale version is **34.6770, 36.4829, 39.7298**.

A 20% lighter version of the original color is **63.5186, 74.2856, 88.8327**, and **14.0512, 17.5157, 22.0423** is the 20% darker color. If you saturate the color by 10%, you get **30.2684, 37.9097, 47.8421**, and if you desaturate by 10%, it is **35.8278, 40.9883, 48.1434**.

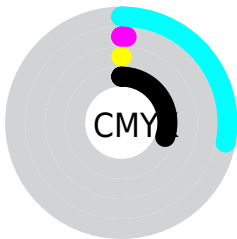
Distribution



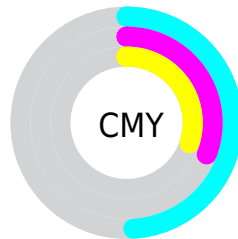
- Red (51%)
- Green (69%)
- Blue (70%)



- Red (51%)
- Yellow (60%)
- Blue (70%)



- Cyan (28%)
- Magenta (1%)
- Yellow (0%)
- Black (30%)



- Cyan (49%)
- Magenta (31%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8113, 39.3258, 47.9808 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 32.8113, 39.3258, 47.9808 by changing the saturation by 10% instead.

■ 32.8113, 39.3258,
47.9808

■ 32.8113, 39.3258,
47.9808

306.4786,
343.2737, 395.2225

■ 22.1405, 27.0133,
33.4518

■ 63.4375, 74.1358,
88.5411

■ 14.0773, 17.5832,
22.1988

■ 84.1235, 97.4020,
115.4094

■ 8.2565, 10.6512,
13.8034

■ 108.8787,
125.0882, 147.2280

■ 4.3127, 5.8328,
7.8468

138.0683,
157.5789, 184.4152

■ 1.8805, 2.7437,
3.9107

172.0577,
195.2584, 227.3898

■ 0.5655, 0.9994,
1.5765

211.2124,

■ 0.0000, 0.0000,

238.5111, 276.5702

0.2740

255.8976,
287.7214, 332.3749

■ 0.0000, 0.0000,
0.0000

■ 32.8113, 39.3258,
47.9808

■ 32.8113, 39.3258,
47.9808

■ 30.2684, 37.9097,
47.8421

■ 35.8278, 40.9883,
48.1434

■ 28.1710, 36.7226,
47.7236

■ 39.3369, 42.9040,
48.3282

■ 26.4939, 35.7524,
47.6247

■ 43.3611, 45.0856,
48.5372

■ 25.2074, 34.9839,
47.5442

■ 47.9204, 47.5432,
48.7712

■ 24.2784, 34.4000,
47.4804

■ 53.0335, 50.2867,
49.0313

■ 23.6680, 33.9806,
47.4316

■ 58.7186, 53.3253,
49.3182

■ 23.3174, 33.6954,
47.3951

■ 64.9927, 56.6678,
49.6327

■ 23.2449, 33.6323,
47.3867

■ 65.5777, 57.0778,
49.6810

■ 65.6509, 57.2243,
49.7054

Harmonies

Analogous

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



32.6022, 39.3258, 40.3447



32.8113, 39.3258, 47.9808



34.2112, 39.3258, 54.9378

Triad

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



32.8113, 39.3258, 47.9808



41.3994, 39.3258, 52.8527



38.2661, 39.3258, 30.0477

Complementary

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



32.8113, 39.3258, 47.9808



30.3056, 27.0154, 24.3869

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.



40.7344, 39.3258, 32.6281



32.8113, 39.3258, 47.9808



42.5988, 39.3258, 45.3927

Square

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



32.8113, 39.3258, 47.9808



39.1393, 39.3258, 57.9718



42.3499, 39.3258, 38.0416



35.6703, 39.3258, 30.5676

Rectangle

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



32.8113, 39.3258, 47.9808



35.6695, 39.3258, 57.9708



42.3499, 39.3258, 38.0416



39.1402, 39.3258, 30.5683

Sweetspot

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



32.8125, 39.3274, 47.9817



70.9187, 77.5767, 87.6172



28.9914, 38.1154, 26.8844



15.4899, 17.0661, 19.3999



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.



32.8125, 39.3274, 47.9817



56.6148, 69.7117, 86.8530



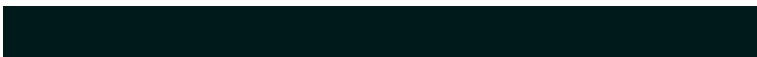
28.4294, 30.5612, 46.5207



8.7275, 9.6013, 10.8996



16.6377, 24.0758, 33.9072



0.5281, 0.7668, 1.0684

Inverse Universe

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



34.1471, 28.3407, 45.2674



59.4472, 46.5056, 81.0680



33.9312, 34.2666, 25.5954



8.8424, 8.6437, 10.6686



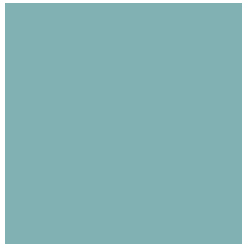
18.6326, 8.9706, 29.5549



0.5886, 0.2832, 0.9423

Previews

White Background



This preview shows how the XYZ color 32.8113, 39.3258, 47.9808 looks on a white background.

Color Contrast Check

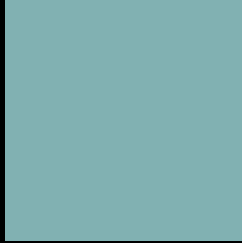
Large Text (above 18pt) WCAG AA × Fail

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 32.8113, 39.3258, 47.9808 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

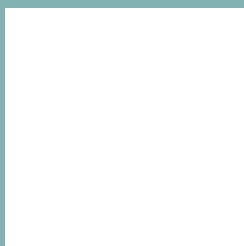
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.8113, 39.3258, 47.9808

Background



This preview shows how black text looks on a background with the XYZ color 32.8113, 39.3258, 47.9808.



This preview shows how white text looks on a background with the XYZ color 32.8113, 39.3258,

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

32.8113, 39.3258, 47.9808

Protanopia

37.6273, 39.0510, 44.5842

Deuteranopia

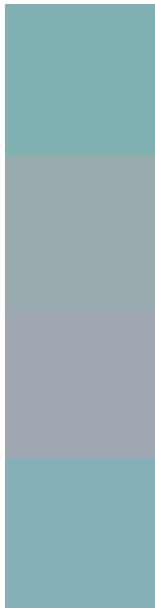
39.7978, 38.9956, 49.1454



Tritanopia

34.0310, 39.2396, 53.9245

Trichromacy



Original Color

32.8113, 39.3258, 47.9808

Protanomaly

35.5293, 39.0518, 45.7096

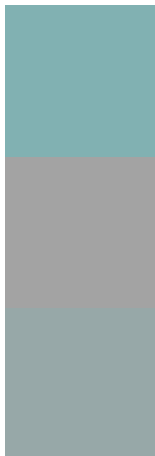
Deuteranomaly

36.7381, 38.7741, 48.7279

Tritanomaly

33.6424, 39.3787, 51.7267

Monochromacy



Original Color

32.8113, 39.3258, 47.9808

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.8330, 37.4117, 42.4838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8113, 39.3258, 47.9808 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(129, 177, 178)` looks like.

```
.text, #text, p{  
    color:rgb(129, 177, 178)  
}
```

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(129, 177, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 177, 178) }
```

Border

The CSS property to change the border of an element to XYZ 32.8113, 39.3258, 47.9808 is called "border". The border property can be set on classes, ids or directly on the HTML element.

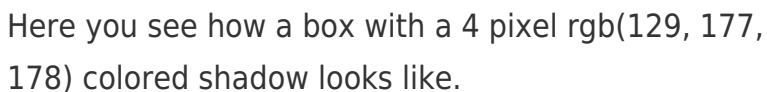
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(129, 177, 178) }
```


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

```
.border{ border-color:rgb(129, 177, 178) }
```

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



Here you see how a box with a 4 pixel `rgb(129, 177, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 177, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 177, 178); box-shadow:4px 4px 4px 4px rgb(129, 177, 178) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8113, 39.3258, 47.9808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 177, 178) }
```

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

```
.background{ background-color: rgb(129,  
177, 178) }
```

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