

Converting Colors

XYZ(32.8798, 39.7531, 46.8462)

Have a look what the booklet for
XYZ(32.8798, 39.7531, 46.8462)
contains.

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Color

**XYZ(32.8101, 39.6425,
46.9968)**

Conversions

Conversions Part 1

Format	Color
Hex	81B2B0
RGB	129, 178, 176
RGB Percent	51%, 70%, 69%
CMY	0.4941, 0.3019, 0.3098
CMYK	0.28, 0.00, 0.01, 0.30
HSL	178°, 24%, 60%
HSV	178°, 28%, 70%
XYZ	32.8101, 39.6425, 46.9968
YIQ	163.1210, -28.5620, -11.0100

Conversions

Conversions Part 2

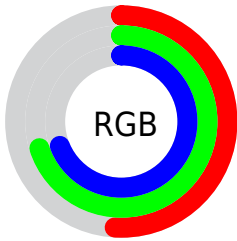
Format	Color
RYB	129, 154, 178
Decimal	8499888
CIELab	69.21, -16.56, -4.23
CIElCh	69, 17.087, 194.319
Yxy	39.6425, 0.2747, 0.3319
Android (android.graphics.Color)	4286689968 (0xFF81B2B0)
YUV	163.1210, 6.3493, -29.9241
Hunter-Lab	62.9623, -17.1664, -0.1821

Details

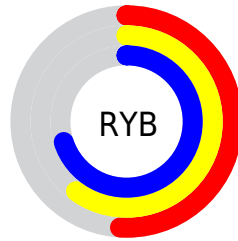
The XYZ color **32.8101, 39.6425, 46.9968** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.3084, 26.8052, 25.0507**, and the grayscale version is **34.8514, 36.6664, 39.9297**.

A 20% lighter version of the original color is **63.5167, 74.7391, 87.4223**, and **14.1136, 17.7422, 21.7495** is the 20% darker color. If you saturate the color by 10%, you get **30.2668, 38.3407, 46.5039**, and if you desaturate by 10%, it is **35.8271, 41.1905, 47.5156**.

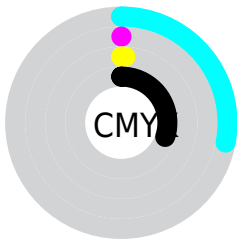
Distribution



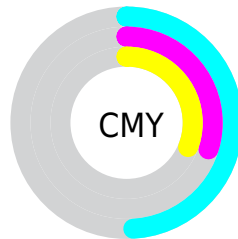
- Red (51%)
- Green (70%)
- Blue (69%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8101, 39.6425, 46.9968 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 32.8101, 39.6425, 46.9968 by changing the saturation by 10% instead.

■ 32.8101, 39.6425,
46.9968

■ 32.8101, 39.6425,
46.9968

306.4733,
344.6145, 391.1951

■ 22.1395, 27.2599,
32.6788

■ 63.4356, 74.6188,
87.0588

■ 14.0767, 17.7685,
21.6114

■ 84.1213, 97.9813,
113.6398

■ 8.2561, 10.7839,
13.3761

■ 108.8760,
125.7726, 145.1457

■ 4.3124, 5.9217,
7.5542

138.0652,
158.3771, 181.9948

■ 1.8803, 2.7975,
3.7274

172.0541,
196.1791, 224.6058

■ 0.5654, 1.0270,
1.4770

211.2082,

■ 0.0000, 0.0000,

239.5631, 273.3971

0.2007

255.8928,
288.9134, 328.7874

■ 0.0000, 0.0000,
0.0000

■ 32.8101, 39.6425,
46.9968

■ 32.8101, 39.6425,
46.9968

■ 30.2668, 38.3407,
46.5039

■ 35.8271, 41.1905,
47.5156

■ 28.1694, 37.2677,
46.0331

■ 39.3370, 42.9915,
48.0585

■ 26.4923, 36.4113,
45.5839

■ 43.3621, 45.0581,
48.6277

■ 25.2062, 35.7564,
45.1550

■ 47.9225, 47.4006,
49.2239

■ 24.2776, 35.2859,
44.7449

■ 53.0370, 50.0287,
49.8480

■ 23.6680, 34.9797,
44.3517

■ 58.7236, 52.9517,
50.5010

■ 23.3183, 34.8074,
43.9726

■ 64.9995, 56.1785,
51.1835

■ 23.2461, 34.7722,
43.8799

■ 65.5860, 56.4721,
51.6019

■ 65.6613, 56.5022,
51.9983

Harmonies

Analogous

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



32.8396, 39.6425, 39.2202



32.8101, 39.6425, 46.9968



34.0406, 39.6425, 54.5637

Triad

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



32.8101, 39.6425, 46.9968



41.4736, 39.6425, 54.8601



39.1182, 39.6425, 30.2275

Complementary

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



32.8101, 39.6425, 46.9968



30.3084, 26.8052, 25.0507

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.



41.5678, 39.6425, 33.4740



32.8101, 39.6425, 46.9968



42.9719, 39.6425, 47.3636

Square

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



32.8101, 39.6425, 46.9968



38.9946, 39.6425, 59.4621



43.0072, 39.6425, 39.5454



36.3934, 39.6425, 30.1545

Rectangle

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



32.8101, 39.6425, 46.9968



35.4458, 39.6425, 58.2085



43.0072, 39.6425, 39.5454



40.0041, 39.6425, 30.9645

Sweetspot

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



32.8113, 39.6441, 46.9977



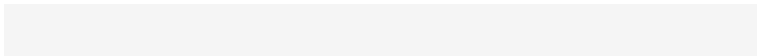
70.9175, 77.7463, 87.0861



29.3139, 38.2887, 26.6150



15.4895, 17.1106, 19.2607



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.



32.8113, 39.6441, 46.9977



56.6112, 70.4096, 84.6777



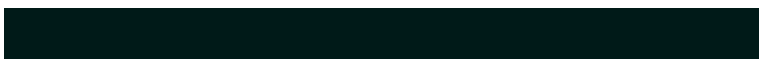
28.9703, 31.6429, 46.7021



8.7274, 9.6254, 10.8239



16.6380, 24.8812, 31.4260



0.5281, 0.7847, 1.0130

Inverse Universe

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



30.3084, 26.8052, 25.0507



51.3188, 43.2542, 38.2644



33.3986, 33.2006, 25.4176



8.5100, 8.5107, 8.9179



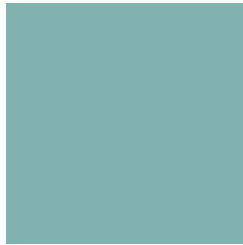
13.1711, 6.7860, 0.7952



0.4190, 0.2154, 0.0494

Previews

White Background



This preview shows how the XYZ color 32.8101, 39.6425, 46.9968 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 32.8101, 39.6425, 46.9968 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 32.8101, 39.6425, 46.9968

Background



This preview shows how black text looks on a background with the XYZ color 32.8101, 39.6425, 46.9968.

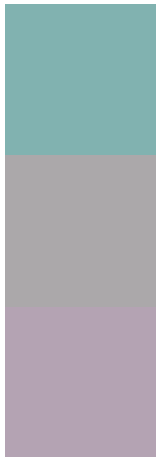


This preview shows how white text looks on a background with the XYZ color 32.8101, 39.6425,

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

32.8101, 39.6425, 46.9968

Protanopia

38.0529, 39.5655, 43.6615

Deuteranopia

40.0563, 39.1524, 48.0938



Tritanopia

34.3353, 39.6739, 54.5634

Trichromacy



Original Color

32.8101, 39.6425, 46.9968

Protanomaly

35.9092, 39.5515, 44.7713

Deuteranomaly

36.7365, 38.7967, 47.6718

Tritanomaly

33.8392, 39.7724, 51.7923

Monochromacy



Original Color

32.8101, 39.6425, 46.9968

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 32.8101, 39.6425, 46.9968 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, 178, 176)` looks like.

```
.text, #text, p{  
    color:rgb(129, 178, 176)  
}
```

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, 178, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 178, 176) }
```

Border

The CSS property to change the border of an element to XYZ 32.8101, 39.6425, 46.9968 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, 178, 176) }
```


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

```
.border{ border-color:rgb(129, 178, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 178, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 178, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 178, 176); box-shadow:4px 4px 4px 4px rgb(129, 178, 176) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8101, 39.6425, 46.9968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 178, 176) }
```

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

```
.background{ background-color: rgb(129,  
178, 176) }
```

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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