

Converting Colors

XYZ(32.7621, 39.4102, 47.6575)

Have a look what the booklet for
XYZ(32.7621, 39.4102, 47.6575)
contains.

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Color

**XYZ(32.7112, 39.2857,
47.4538)**

Conversions

Conversions Part 1

Format	Color
Hex	81B1B1
RGB	129, 177, 177
RGB Percent	51%, 69%, 69%
CMY	0.4941, 0.3059, 0.3059
CMYK	0.27, 0.00, 0.00, 0.31
HSL	180°, 24%, 60%
HSV	180°, 27%, 69%
XYZ	32.7112, 39.2857, 47.4538
YIQ	162.6480, -28.6080, -10.1760

Conversions

Conversions Part 2

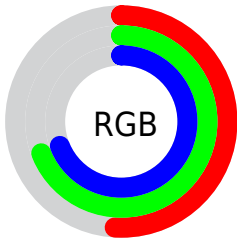
Format	Color
R _Y B	129, 153, 177
Decimal	8499633
CIE Lab	68.96, -15.80, -5.16
CIE LCh	69, 16.624, 198.071
Yxy	39.2857, 0.2738, 0.3289
Android (android.graphics.Color)	4286689713 (0xFF81B1B1)
YUV	162.6480, 7.0755, -29.5093
Hunter-Lab	62.6783, -16.5296, -1.0137

Details

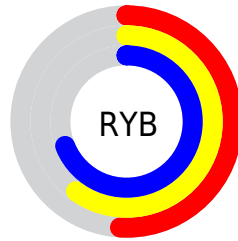
The XYZ color **32.7112, 39.2857, 47.4538** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.9455, 26.6337, 24.3329**, and the grayscale version is **34.6251, 36.4283, 39.6705**.

A 20% lighter version of the original color is **63.3753, 74.2283, 88.0781**, and **13.9876, 17.4902, 21.7075** is the 20% darker color. If you saturate the color by 10%, you get **30.2523, 38.0191, 47.3392**, and if you desaturate by 10%, it is **35.6382, 40.7956, 47.5920**.

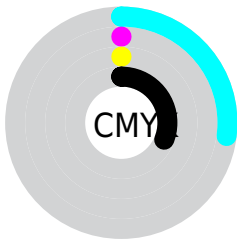
Distribution



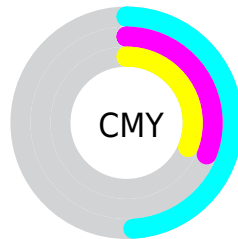
- Red (51%)
- Green (69%)
- Blue (69%)



- Red (51%)
- Yellow (60%)
- Blue (69%)



- Cyan (27%)
- Magenta (0%)
- Yellow (0%)
- Black (31%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7112, 39.2857, 47.4538 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 32.7112, 39.2857, 47.4538 by changing the saturation by 10% instead.

■ 32.7112, 39.2857,
47.4538

■ 32.7112, 39.2857,
47.4538

306.0344,
343.1036, 393.0691

■ 22.0635, 26.9821,
33.0376

■ 63.2821, 74.0746,
87.7477

■ 14.0204, 17.5597,
21.8839

■ 83.9359, 97.3286,
114.4625

■ 8.2167, 10.6344,
13.5741

■ 108.6559,
125.0015, 146.1139

■ 4.2869, 5.8216,
7.6897

137.8073,
157.4777, 183.1204

■ 1.8657, 2.7369,
3.8121

171.7555,
195.1417, 225.9007

■ 0.5568, 0.9960,
1.5229

210.8658,

■ 0.0000, 0.0000,

238.3777, 274.8732

0.2349

255.5037,
287.5702, 330.4565

■ 0.0000, 0.0000,
0.0000

■ 32.7112, 39.2857,
47.4538

■ 32.7112, 39.2857,
47.4538

■ 30.2523, 38.0191,
47.3392

■ 35.6382, 40.7956,
47.5920

■ 28.2339, 36.9786,
47.2443

■ 39.0520, 42.5555,
47.7522

■ 26.6312, 36.1523,
47.1689

■ 42.9748, 44.5777,
47.9362

■ 25.4151, 35.5254,
47.1116

■ 47.4261, 46.8724,
48.1449

■ 24.5530, 35.0810,
47.0708

■ 52.4244, 49.4492,
48.3792

■ 24.0071, 34.7996,
47.0449

■ 57.9877, 52.3171,
48.6400

■ 23.7220, 34.6527,
47.0311

■ 64.1326, 55.4850,
48.9280

■ 23.6582, 34.6198,
47.0280

■ 64.8994, 55.8802,
48.9643

■ 64.8994, 55.8803,
48.9647

Harmonies

Analogous

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



32.5823, 39.2857, 39.8352



32.7112, 39.2857, 47.4538



34.0440, 39.2857, 54.5508

Triad

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



32.7112, 39.2857, 47.4538



41.2523, 39.2857, 53.2636



38.4009, 39.2857, 30.0501

Complementary

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



32.7112, 39.2857, 47.4538



29.9455, 26.6337, 24.3329

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.



40.8419, 39.2857, 32.8297



32.7112, 39.2857, 47.4538



42.5394, 39.2857, 45.8569

Square

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



32.7112, 39.2857, 47.4538



38.9396, 39.2857, 58.1680



42.3858, 39.2857, 38.4152



35.7846, 39.2857, 30.3704

Rectangle

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



32.7112, 39.2857, 47.4538



35.4728, 39.2857, 57.7573



42.3858, 39.2857, 38.4152



39.2714, 39.2857, 30.6381

Sweetspot

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



32.7123, 39.2873, 47.4547



69.2746, 75.8704, 85.4880



28.8610, 37.7609, 26.5371



14.8075, 16.3364, 18.5170



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



32.7123, 39.2873, 47.4547



55.6519, 68.8476, 84.8486



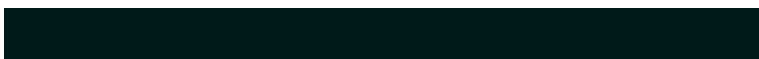
28.5128, 30.8879, 46.0559



8.7427, 9.6316, 10.9045



17.1404, 25.0822, 34.0720



0.5393, 0.7892, 1.0721

Inverse Universe

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



29.9455, 26.6337, 24.3329



49.8032, 42.0995, 35.9719



33.3560, 33.4549, 25.4691



8.4964, 8.5053, 8.8465



13.1369, 6.7723, 0.6150



0.4133, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 32.7112, 39.2857, 47.4538 looks on a white background.

Color Contrast Check

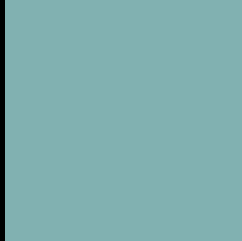
Large Text (above 18pt) WCAG AA × Fail

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 32.7112, 39.2857, 47.4538 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

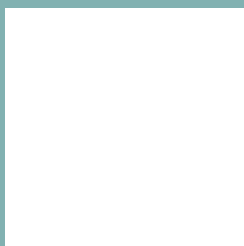
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7112, 39.2857, 47.4538

Background



This preview shows how black text looks on a background with the XYZ color 32.7112, 39.2857, 47.4538.

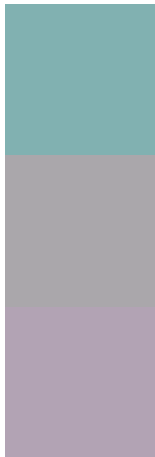


This preview shows how white text looks on a background with the XYZ color 32.7112, 39.2857,

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

32.7112, 39.2857, 47.4538

Protanopia

37.7470, 39.1238, 44.0902

Deuteranopia

39.6955, 38.9547, 48.6068



Tritanopia

34.0310, 39.2396, 53.9245

Trichromacy



Original Color

32.7112, 39.2857, 47.4538

Protanomaly

35.6233, 39.1115, 45.2069

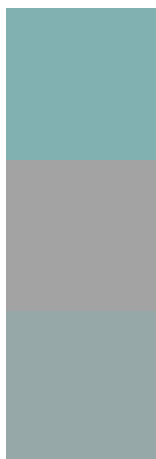
Deuteranomaly

36.6365, 38.7335, 48.1932

Tritanomaly

33.6424, 39.3787, 51.7267

Monochromacy



Original Color

32.7112, 39.2857, 47.4538

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 32.7112, 39.2857, 47.4538 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, 177)` looks like.

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

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, 177) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 32.7112, 39.2857, 47.4538 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, 177) }
```


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

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

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, 177)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 32.7112, 39.2857, 47.4538 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, 177) }
```

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

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

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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