

Converting Colors

XYZ(32.4734, 47.3819, 27.8818)

Have a look what the booklet for
XYZ(32.4734, 47.3819, 27.8818)
contains.

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Color

**XYZ(32.3907, 47.2537,
27.8358)**

Conversions

Conversions Part 1

Format	Color
Hex	77C980
RGB	119, 201, 128
RGB Percent	47%, 79%, 50%
CMY	0.5333, 0.2117, 0.4980
CMYK	0.41, 0.00, 0.36, 0.21
HSL	127°, 43%, 63%
HSV	127°, 41%, 79%
XYZ	32.3907, 47.2537, 27.8358
YIQ	168.1600, -25.4390, -40.0870

Conversions

Conversions Part 2

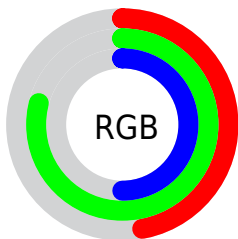
Format	Color
RYB	119, 193, 201
Decimal	7850368
CIELab	74.35, -40.20, 28.84
CIELCh	74, 49.479, 144.340
Yxy	47.2537, 0.3014, 0.4397
Android (android.graphics.Color)	4286040448 (0xFF77C980)
YUV	168.1600, -19.7989, -43.1133
Hunter-Lab	68.7413, -36.1887, 24.1103

Details

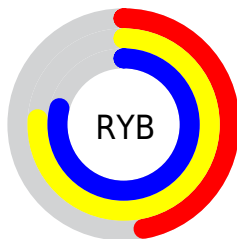
The XYZ color **32.3907, 47.2537, 27.8358** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **40.2002, 29.4179, 53.4304**, and the grayscale version is **37.4022, 39.3501, 42.8522**.

A 20% lighter version of the original color is **61.5560, 83.8549, 56.6573**, and **13.7684, 22.1978, 10.7667** is the 20% darker color. If you saturate the color by 10%, you get **28.8427, 45.5503, 22.0546**, and if you desaturate by 10%, it is **36.7323, 49.3449, 34.7404**.

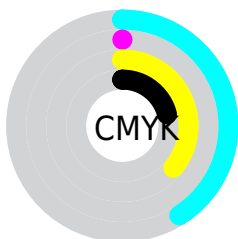
Distribution



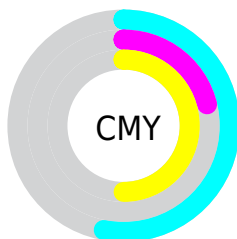
- Red (47%)
- Green (79%)
- Blue (50%)



- Red (47%)
- Yellow (76%)
- Blue (79%)



- Cyan (41%)
- Magenta (0%)
- Yellow (36%)
- Black (21%)



- Cyan (53%)
- Magenta (21%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3907, 47.2537, 27.8358 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 32.3907, 47.2537, 27.8358 by changing the saturation by 10% instead.

■ 32.3907, 47.2537,
27.8358

■ 32.3907, 47.2537,
27.8358

304.6090,
375.8263, 305.5687

■ 21.8171, 33.2363,
17.9640

■ 62.7842, 86.0922,
57.2421

■ 13.8384, 22.3075,
10.7549

■ 83.3347, 111.6820,
77.6137

■ 8.0893, 14.0830,
5.7902

■ 107.9416,
141.8981, 102.3222

■ 4.2044, 8.1784,
2.6512

136.9702,
177.1249, 131.7863

■ 1.8184, 4.2093,
0.9187

170.7859,
217.7467, 166.4244

■ 0.5287, 1.7913,
0.0000

209.7540,

■ 0.0000, 0.4818,

264.1479, 206.6552

0.0000

254.2399,
316.7130, 252.8971

■ 0.0000, 0.0000,
0.0000

■ 32.3907, 47.2537,
27.8358

■ 32.3907, 47.2537,
27.8358

■ 28.8427, 45.5503,
22.0546

■ 36.7323, 49.3449,
34.7404

■ 26.0366, 44.2052,
17.3345

■ 41.9077, 51.8395,
42.8201

■ 23.9203, 43.1945,
13.6118


■ 47.9589, 54.7592,
52.1271


■ 22.4334, 42.4883,
10.8149


■ 54.9239, 58.1228,
62.7098


■ 21.5049, 42.0519,
8.8624

■ 62.8386, 61.9477,
74.6137

 21.0330, 41.8332,
7.7283

 71.7368, 66.2504,
87.8822

 79.8988, 70.1436,
102.4747

 80.1775, 70.2551,
103.9425

Harmonies

Analogous

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



38.2206, 47.2537, 18.4622



32.3907, 47.2537, 27.8358



29.9409, 47.2537, 46.7662

Triad

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



32.3907, 47.2537, 27.8358



43.2461, 47.2537, 117.2846



62.3855, 47.2537, 33.7743

Complementary

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



32.3907, 47.2537, 27.8358



40.2002, 29.4179, 53.4304

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.



64.1931, 47.2537, 56.4391



32.3907, 47.2537, 27.8358



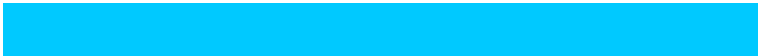
52.3448, 47.2537, 110.2941

Square

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



32.3907, 47.2537, 27.8358



35.6545, 47.2537, 102.4496



60.3073, 47.2537, 85.6511



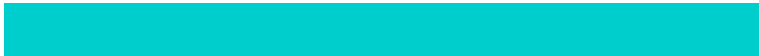
55.6503, 47.2537, 21.0128

Rectangle

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



32.3907, 47.2537, 27.8358



30.2856, 47.2537, 64.5748



60.3073, 47.2537, 85.6511



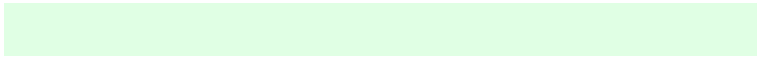
63.6239, 47.2537, 40.2384

Sweetspot

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



32.3919, 47.2557, 27.8369



80.5947, 93.0193, 86.9300



46.1597, 54.4187, 25.5242



16.9440, 19.7620, 18.1368



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.3919, 47.2557, 27.8369



49.9897, 78.2762, 38.7655



35.5823, 48.5318, 44.6372



10.5440, 11.9065, 11.5490



13.2412, 26.3089, 4.9488



0.6433, 1.2523, 0.3203

Inverse Universe

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



40.2002, 29.4179, 53.4304



65.1491, 43.6065, 88.4258



36.3367, 27.8726, 33.0858



11.0310, 10.7958, 13.1466



20.2782, 9.8609, 27.7387



0.9749, 0.4728, 1.3909

Previews

White Background



This preview shows how the XYZ color 32.3907, 47.2537, 27.8358 looks on a white background.

Color Contrast Check

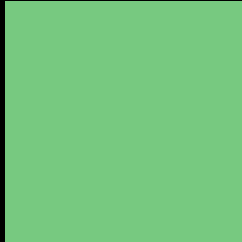
Large Text (above 18pt) WCAG AA × Fail

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 32.3907, 47.2537, 27.8358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

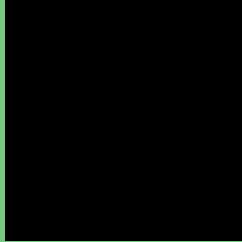
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.3907, 47.2537, 27.8358

Background



This preview shows how black text looks on a background with the XYZ color 32.3907, 47.2537, 27.8358.

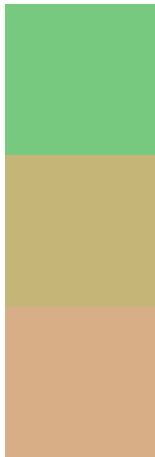


This preview shows how white text looks on a background with the XYZ color 32.3907, 47.2537,

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

32.3907, 47.2537, 27.8358

Protanopia

43.1441, 46.6823, 24.5059

Deuteranopia

47.4635, 46.4404, 29.0166



Tritanopia

39.8850, 46.9175, 65.9853

Trichromacy



Original Color

32.3907, 47.2537, 27.8358



Protanomaly

38.1349, 46.2603, 25.6581



Deuteranomaly

40.1277, 45.6502, 28.5262



Tritanomaly

36.6042, 46.9117, 49.2451

Monochromacy



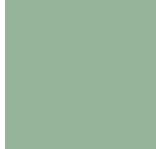
Original Color

32.3907, 47.2537, 27.8358



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.6487, 41.4265, 36.3069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3907, 47.2537, 27.8358 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(119, 201, 128)` looks like.

```
.text, #text, p{  
    color:rgb(119, 201, 128)  
}
```

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(119, 201, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 201, 128) }
```

Border

The CSS property to change the border of an element to XYZ 32.3907, 47.2537, 27.8358 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(119, 201, 128) }
```


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

```
.border{ border-color:rgb(119, 201, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 201, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 201, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 201, 128);  
box-shadow:4px 4px 4px 4px rgb(119, 201,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3907, 47.2537, 27.8358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 201, 128) }
```

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

```
.background{ background-color: rgb(119,  
201, 128) }
```

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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