

Converting Colors

XYZ(30.0168, 38.0601, 42.7921)

Have a look what the booklet for
XYZ(30.0168, 38.0601, 42.7921)
contains.

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Color

**XYZ(29.9925, 37.9844,
42.7967)**

Conversions

Conversions Part 1

Format	Color
Hex	74B1A8
RGB	116, 177, 168
RGB Percent	45%, 69%, 66%
CMY	0.5451, 0.3059, 0.3412
CMYK	0.34, 0.00, 0.05, 0.31
HSL	171°, 28%, 57%
HSV	171°, 34%, 69%
XYZ	29.9925, 37.9844, 42.7967
YIQ	157.7350, -33.4670, -15.7310

Conversions

Conversions Part 2

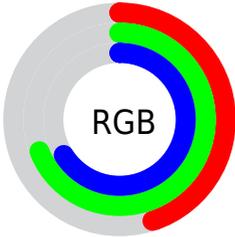
Format	Color
RYB	116, 149, 177
Decimal	7647656
CIELab	68.01, -21.70, -1.66
CIElCh	68, 21.768, 184.373
Yxy	37.9844, 0.2708, 0.3429
Android (android.graphics.Color)	4285837736 (0xFF74B1A8)
YUV	157.7350, 5.0606, -36.6016
Hunter-Lab	61.6315, -20.9894, 1.9713

Details

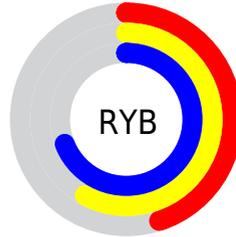
The XYZ color **29.9925, 37.9844, 42.7967** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.0799, 23.3197, 22.4248**, and the grayscale version is **32.3689, 34.0546, 37.0855**.

A 20% lighter version of the original color is **59.0358, 72.1516, 80.6272**, and **12.4744, 16.7662, 19.1017** is the 20% darker color. If you saturate the color by 10%, you get **27.6195, 36.7899, 41.4288**, and if you desaturate by 10%, it is **32.8209, 39.4150, 44.2131**.

Distribution



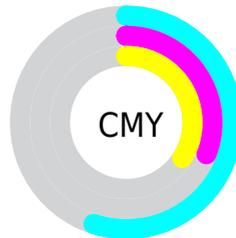
- Red (45%)
- Green (69%)
- Blue (66%)



- Red (45%)
- Yellow (58%)
- Blue (69%)



- Cyan (34%)
- Magenta (0%)
- Yellow (5%)
- Black (31%)



- Cyan (55%)
- Magenta (31%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9925, 37.9844, 42.7967 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 29.9925, 37.9844, 42.7967 by changing the saturation by 10% instead.

■ 29.9925, 37.9844,
42.7967

■ 29.9925, 37.9844,
42.7967

293.7799,
337.5530, 373.6717

■ 19.9809, 25.9706,
29.3954

■ 59.0370, 72.0842,
80.6870

■ 12.4894, 16.8016,
19.1320

■ 78.8007, 94.9390,
106.0132

■ 7.1524, 10.0932,
11.5879

■ 102.5458,
122.1763, 136.1514

■ 3.6048, 5.4608,
6.3446

130.6377,
154.1804, 171.5201

■ 1.4811, 2.5201,
2.9836

163.4417,
191.3357, 212.5380

■ 0.3129, 0.8867,
1.0863

201.3231,

■ 0.0000, 0.0000,

234.0266, 259.6235

0.0000

244.6474,
282.6376, 313.1952

■ 29.9925, 37.9844,
42.7967

■ 29.9925, 37.9844,
42.7967

■ 27.6195, 36.7899,
41.4288

■ 32.8209, 39.4150,
44.2131

■ 25.6730, 35.8137,
40.1053

■ 36.1249, 41.0894,
45.6766

■ 24.1260, 35.0429,
38.8258

■ 39.9276, 43.0202,
47.1893

■ 22.9470, 34.4613,
37.5886

■ 44.2495, 45.2181,
48.7523

■ 22.0996, 34.0500,
36.3919

■ 49.1099, 47.6930,
50.3665

■ 21.5399, 33.7866,
35.2333

■ 54.5273, 50.4545,
52.0330

■ 21.2991, 33.6761,
34.6057

■ 60.5190, 53.5115,
53.7528

■ 66.1370, 56.3752,
55.4817

■ 66.4230, 56.4896,
56.9876

Harmonies

Analogous

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



30.5451, 37.9844, 33.8066



29.9925, 37.9844, 42.7967



30.9914, 37.9844, 52.8045

Triad

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



29.9925, 37.9844, 42.7967



39.9051, 37.9844, 58.7370



38.9929, 37.9844, 26.7215

Complementary

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



29.9925, 37.9844, 42.7967



28.0799, 23.3197, 22.4248

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.



41.7480, 37.9844, 31.6991



29.9925, 37.9844, 42.7967



42.2973, 37.9844, 49.9589

Square

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



29.9925, 37.9844, 42.7967



36.6018, 37.9844, 62.8759



42.9918, 37.9844, 39.9530



35.6089, 37.9844, 25.4131

Rectangle

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



29.9925, 37.9844, 42.7967



32.4417, 37.9844, 58.4417



42.9918, 37.9844, 39.9530



40.0300, 37.9844, 27.9782

Sweetspot

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



29.9936, 37.9859, 42.7976



67.5074, 75.0136, 82.9540



27.3551, 37.0780, 22.2389



14.4316, 16.1560, 17.8974



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.



29.9936, 37.9859, 42.7976



50.5597, 66.4382, 74.8636



26.9693, 30.5483, 46.0716



8.6877, 9.6096, 10.6149



15.4489, 24.4055, 25.1642



0.5007, 0.7737, 0.8688

Inverse Universe

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



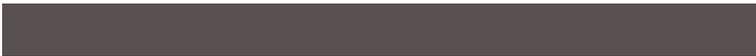
28.0799, 23.3197, 22.4248



46.6415, 36.3608, 33.1157



30.2806, 28.6003, 20.4483



8.5458, 8.5250, 9.1065



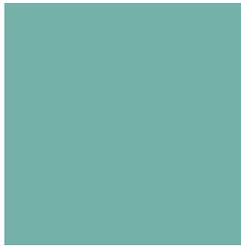
13.2873, 6.8325, 1.4071



0.4340, 0.2213, 0.1279

Previews

White Background



This preview shows how the XYZ color 29.9925, 37.9844, 42.7967 looks on a white background.

Color Contrast Check

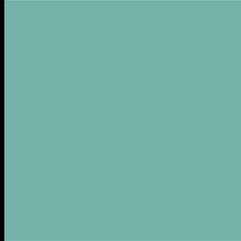
Large Text (above 18pt) WCAG AA × Fail

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 29.9925, 37.9844, 42.7967 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

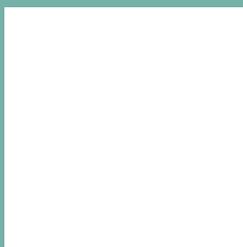
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9925, 37.9844, 42.7967

Background



This preview shows how black text looks on a background with the XYZ color 29.9925, 37.9844, 42.7967.



This preview shows how white text looks on a background with the XYZ color 29.9925, 37.9844,

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

29.9925, 37.9844, 42.7967

Protanopia

36.0707, 37.5591, 39.0667

Deuteranopia

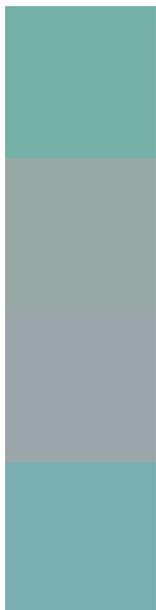
38.3773, 37.5851, 44.2617



Tritanopia

32.0983, 37.9679, 53.2137

Trichromacy



Original Color

29.9925, 37.9844, 42.7967

Protanomaly

33.4665, 37.5403, 40.6041

Deuteranomaly

34.5045, 37.1813, 43.8862

Tritanomaly

31.2782, 37.9181, 49.3864

Monochromacy



Original Color

29.9925, 37.9844, 42.7967

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.3044, 35.3585, 39.3574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9925, 37.9844, 42.7967 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(116, 177, 168)` looks like.

```
.text, #text, p{  
    color:rgb(116, 177, 168)  
}
```

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(116, 177, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 177, 168) }
```

Border

The CSS property to change the border of an element to XYZ 29.9925, 37.9844, 42.7967 is called "border". The border property can be set on classes, ids or directly on the HTML element.

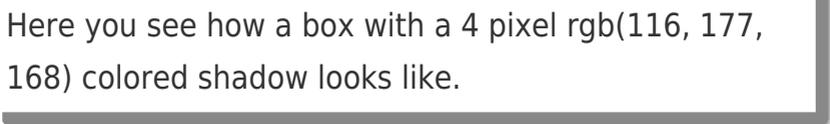
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 177, 168) }
```

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

```
.border{ border-color:rgb(116, 177, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 177, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 177, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 177, 168); box-shadow:4px 4px 4px 4px rgb(116, 177, 168) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9925, 37.9844, 42.7967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 177, 168) }
```

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

```
.background{ background-color: rgb(116,  
177, 168) }
```

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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