

Converting Colors

XYZ(13.2984, 16.4587, 17.9507)

Have a look what the booklet for
XYZ(13.2984, 16.4587, 17.9507)
contains.

XYZ(13.2973, 16.4876, 17.8108)	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(13.2973, 16.4876,
17.8108)**

Conversions

Conversions Part 1

Format	Color
Hex	547870
RGB	84, 120, 112
RGB Percent	33%, 47%, 44%
CMY	0.6706, 0.5294, 0.5608
CMYK	0.30, 0.00, 0.07, 0.53
HSL	167°, 18%, 40%
HSV	167°, 30%, 47%
XYZ	13.2973, 16.4876, 17.8108
YIQ	108.3240, -18.8880, -10.1200

Conversions

Conversions Part 2

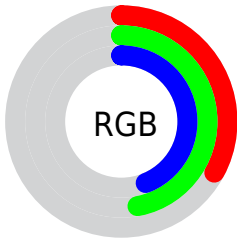
Format	Color
RYB	84, 104, 120
Decimal	5535856
CIELab	47.61, -14.61, 0.29
CIELCh	48, 14.610, 178.868
Yxy	16.4876, 0.2794, 0.3464
Android (android.graphics.Color)	4283725936 (0xFF547870)
YUV	108.3240, 1.8123, -21.3321
Hunter-Lab	40.6049, -12.6034, 2.4167

Details

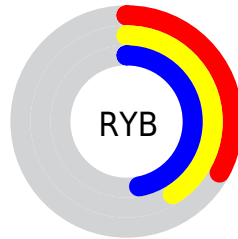
The XYZ color **13.2973, 16.4876, 17.8108** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.8485, 11.1070, 11.5927**, and the grayscale version is **14.3441, 15.0911, 16.4343**.

A 20% lighter version of the original color is **31.4450, 37.3363, 40.6713**, and **3.9416, 5.2700, 5.6599** is the 20% darker color. If you saturate the color by 10%, you get **12.1677, 15.9226, 16.9944**, and if you desaturate by 10%, it is **14.6163, 17.1506, 18.6597**.

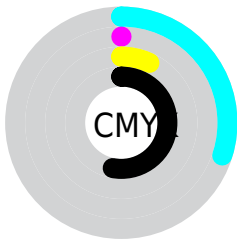
Distribution



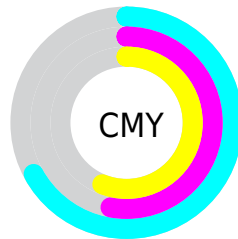
- Red (33%)
- Green (47%)
- Blue (44%)



- Red (33%)
- Yellow (41%)
- Blue (47%)



- Cyan (30%)
- Magenta (0%)
- Yellow (7%)
- Black (53%)



- Cyan (67%)
- Magenta (53%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2973, 16.4876, 17.8108 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 13.2973, 16.4876, 17.8108 by changing the saturation by 10% instead.

■ 13.2973, 16.4876,
17.8108

■ 13.2973, 16.4876,
17.8108

206.4136,
232.2020, 252.0026

■ 7.7120, 9.8698,
10.6462

■ 31.4337, 37.4427,
40.5242

■ 3.9615, 5.3127,
5.7183

■ 44.7154, 52.5487,
56.9102

■ 1.6804, 2.4319,
2.6086

■ 61.2934, 71.2531,
77.2070

■ 0.4439, 0.8422,
0.8969

■ 81.5329, 93.9400,
101.8331

■ 0.0000, 0.0000,
0.0000

■ 105.7993,
120.9940, 131.2073

134.4580,

152.7994, 165.7479

167.8744,
189.7406, 205.8735

■ 13.2973, 16.4876,
17.8108

■ 13.2973, 16.4876,
17.8108

■ 12.1677, 15.9226,
16.9944

■ 14.6163, 17.1506,
18.6597

■ 11.2166, 15.4487,
16.2088

■ 16.1320, 17.9140,
19.5406

■ 10.4344, 15.0614,
15.4537

■ 17.8532, 18.7829,
20.4546

■ 9.8096, 14.7547,
14.7283

■ 19.7874, 19.7611,
21.4020

■ 9.3296, 14.5221,
14.0319

■ 21.9421, 20.8524,
22.3834

■ 8.9796, 14.3561,
13.3635

■ 24.3243, 22.0604,
23.3995

■ 8.7072, 14.2297,
12.7206

■ 26.9405, 23.3885,
24.4505

■ 8.7072, 14.2297,
12.7205

■ 29.7971, 24.8401,
25.5372

■ 32.9003, 26.4182,
26.6598

Harmonies

Analogous

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



13.6229, 16.4876, 14.4923



13.2973, 16.4876, 17.8108



13.5778, 16.4876, 21.6437

Triad

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



13.2973, 16.4876, 17.8108



16.9119, 16.4876, 24.9970



17.0022, 16.4876, 12.4844

Complementary

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



13.2973, 16.4876, 17.8108



12.8485, 11.1070, 11.5927

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.



17.9689, 16.4876, 14.7063



13.2973, 16.4876, 17.8108



17.9147, 16.4876, 21.9230

Square

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



13.2973, 16.4876, 17.8108



15.6215, 16.4876, 26.1235



18.3115, 16.4876, 18.0943



15.7205, 16.4876, 11.6918

Rectangle

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



13.2973, 16.4876, 17.8108



14.0801, 16.4876, 23.9166



18.3115, 16.4876, 18.0943



17.3773, 16.4876, 13.0723

Sweetspot

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



13.2978, 16.4883, 17.8112



28.5949, 31.6187, 34.4903



12.7710, 16.3697, 10.8745



6.6947, 7.4520, 8.1284



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.2978, 16.4883, 17.8112



21.9850, 28.2964, 30.3309



12.6661, 14.4799, 19.8973



4.0708, 4.4979, 4.9064



9.4933, 15.5210, 13.8485



44.9545, 73.9048, 64.3237

Inverse Universe

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



12.8485, 11.1070, 11.5927



21.0622, 17.2216, 17.5427



13.3138, 12.5682, 10.1121



4.0314, 4.0283, 4.3631



8.6570, 4.4390, 1.4848



41.0245, 21.0662, 5.6594

Previews

White Background



This preview shows how the XYZ color 13.2973, 16.4876, 17.8108 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 13.2973, 16.4876, 17.8108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

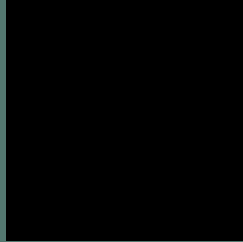
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2973, 16.4876, 17.8108

Background



This preview shows how black text looks on a background with the XYZ color 13.2973, 16.4876, 17.8108.



This preview shows how white text looks on a background with the XYZ color 13.2973, 16.4876,

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

13.2973, 16.4876, 17.8108

Protanopia

15.7034, 16.3841, 16.5221

Deuteranopia

16.6743, 16.3631, 18.1992



Tritanopia

14.2397, 16.5154, 22.5160

Trichromacy



Original Color

13.2973, 16.4876, 17.8108

Protanomaly

14.6000, 16.3087, 16.8464

Deuteranomaly

15.1924, 16.2537, 17.9593

Tritanomaly

13.9474, 16.5772, 20.8770

Monochromacy



Original Color

13.2973, 16.4876, 17.8108

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.7001, 15.3451, 16.7078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2973, 16.4876, 17.8108 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(84, 120, 112) looks like.

```
.text, #text, p{  
    color:rgb(84, 120, 112)  
}
```

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(84, 120, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 120, 112) }
```

Border

The CSS property to change the border of an element to XYZ 13.2973, 16.4876, 17.8108 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(84, 120, 112) }
```


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

```
.border{ border-color:rgb(84, 120, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 120, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 120, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 120, 112);  
box-shadow:4px 4px 4px 4px rgb(84, 120,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2973, 16.4876, 17.8108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 120, 112) }
```

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

```
.background{ background-color: rgb(84, 120,  
112) }
```

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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