

Converting Colors

XYZ(10.4475, 15.8363, 13.8153)

Have a look what the booklet for
XYZ(10.4475, 15.8363, 13.8153)
contains.

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Color

**XYZ(10.4475, 15.8363,
13.8153)**

Conversions

Conversions Part 1

Format	Color
Hex	2D7C61
RGB	45, 124, 97
RGB Percent	18%, 49%, 38%
CMY	0.8235, 0.5137, 0.6196
CMYK	0.64, 0.00, 0.22, 0.51
HSL	159°, 47%, 33%
HSV	159°, 64%, 49%
XYZ	10.4475, 15.8363, 13.8153
YIQ	97.3010, -38.4170, -25.1450

Conversions

Conversions Part 2

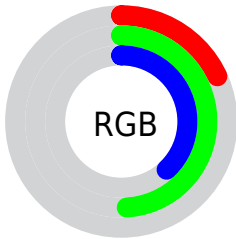
Format	Color
R_{YB}	45, 93, 124
Decimal	2980961
CIE _{Lab}	46.76, -31.00, 7.71
CIE _{LCh}	47, 31.944, 166.041
Yxy	15.8363, 0.2605, 0.3949
Android (android.graphics.Color)	4281171041 (0xFF2D7C61)
YUV	97.3010, -0.1484, -45.8680
Hunter-Lab	39.7948, -22.7787, 7.2731

Details

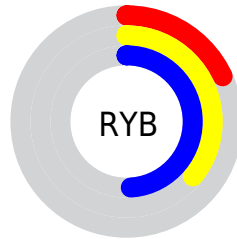
The XYZ color **10.4475, 15.8363, 13.8153** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.4208, 6.6301, 6.8619**, and the grayscale version is **11.4439, 12.0398, 13.1114**.

A 20% lighter version of the original color is **26.3230, 36.2917, 33.6346**, and **3.0463, 5.1366, 3.9629** is the 20% darker color. If you saturate the color by 10%, you get **9.7878, 15.5188, 12.7805**, and if you desaturate by 10%, it is **11.2790, 16.2419, 14.9140**.

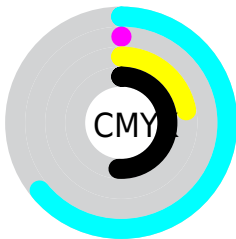
Distribution



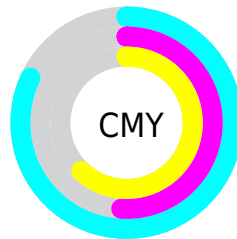
- Red (18%)
- Green (49%)
- Blue (38%)



- Red (18%)
- Yellow (36%)
- Blue (49%)



- Cyan (64%)
- Magenta (0%)
- Yellow (22%)
- Black (51%)





- Cyan (82%)
- Magenta (51%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4475, 15.8363, 13.8153 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 10.4475, 15.8363, 13.8153 by changing the saturation by 10% instead.


 10.4475, 15.8363,
13.8153


 10.4475, 15.8363,
13.8153


187.8245,
228.3738, 227.4671


 5.7612, 9.4084,
7.8550


 26.2760, 36.3138,
33.4733


 2.7397, 5.0085,
3.9159

 38.1489, 51.1321,
48.0082


 1.0176, 2.2523,
1.5793

 53.1480, 69.5161,
66.2383

 0.0000, 0.7483,
0.2760

 71.6387, 91.8501,
88.5823

 0.0000, 0.0000,
0.0000

 93.9863, 118.5184,
115.4586

 120.5562,

149.9056, 147.2858

151.7138,
186.3959, 184.4825

■ 10.4475, 15.8363,
13.8153

■ 10.4475, 15.8363,
13.8153

■ 9.7878, 15.5188,
12.7805

■ 11.2790, 16.2419,
14.9140

■ 9.2838, 15.2801,
11.8069

■ 12.2939, 16.7404,
16.0769

■ 8.9171, 15.1108,
10.8931

■ 13.5043, 17.3384,
17.3057

■ 8.7165, 15.0193,
10.3466

■ 14.9207, 18.0414,
18.6018

■ 16.5532, 18.8545,
19.9663

■ 18.4107, 19.7823,
21.4005

■ 20.5022, 20.8293,
22.9055

■ 22.8356, 21.9997,
24.4825

■ 25.4188, 23.2976,
26.1325

Harmonies

Analogous

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



11.5306, 15.8363, 8.6665



10.4475, 15.8363, 13.8153



10.4869, 15.8363, 21.8164

Triad

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



10.4475, 15.8363, 13.8153



16.5740, 15.8363, 36.4776



19.0650, 15.8363, 8.4208

Complementary

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



10.4475, 15.8363, 13.8153



10.4208, 6.6301, 6.8619

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.



20.7802, 15.8363, 13.3581



10.4475, 15.8363, 13.8153



19.2258, 15.8363, 30.1641

Square

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



10.4475, 15.8363, 13.8153



13.8019, 15.8363, 36.7147



20.8424, 15.8363, 21.1955



16.3752, 15.8363, 6.2633

Rectangle

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



10.4475, 15.8363, 13.8153



11.1389, 15.8363, 27.8791



20.8424, 15.8363, 21.1955



19.7884, 15.8363, 9.7283

Sweetspot

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



10.4479, 15.8369, 13.8157



27.4317, 32.3324, 33.7410



10.4030, 16.0083, 5.0244



6.3028, 7.5362, 7.8124



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.4479, 15.8369, 13.8157



16.8287, 27.1203, 21.7753



10.5315, 13.6352, 21.1464



4.0516, 4.4903, 4.8056



8.8596, 15.2675, 10.5113



41.8500, 72.6630, 47.9758

Inverse Universe

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



10.4208, 6.6301, 6.8619



16.7971, 9.5462, 8.6023



10.2420, 7.3864, 3.3687



4.0496, 4.0356, 4.4589



8.8808, 4.5285, 2.6634



41.9992, 21.4560, 10.7921

Previews

White Background



This preview shows how the XYZ color 10.4475, 15.8363, 13.8153 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 10.4475, 15.8363, 13.8153 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 10.4475, 15.8363, 13.8153

Background



This preview shows how black text looks on a background with the XYZ color 10.4475, 15.8363, 13.8153.



This preview shows how white text looks on a background with the XYZ color 10.4475, 15.8363,

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

10.4475, 15.8363, 13.8153

Protanopia

14.7575, 15.6720, 11.9200

Deuteranopia

15.8152, 15.5327, 14.4765



Tritanopia

12.3663, 15.8878, 23.1838

Trichromacy



Original Color

10.4475, 15.8363, 13.8153

Protanomaly

12.4209, 15.2759, 12.6498

Deuteranomaly

12.9247, 15.1633, 14.3022

Tritanomaly

11.5165, 15.7160, 19.2561

Monochromacy



Original Color

10.4475, 15.8363, 13.8153

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.5572, 12.9982, 13.2617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4475, 15.8363, 13.8153 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(45, 124, 97)` looks like.

```
.text, #text, p{  
    color:rgb(45, 124, 97)  
}
```

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(45, 124, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 124, 97) }
```

Border

The CSS property to change the border of an element to XYZ 10.4475, 15.8363, 13.8153 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(45, 124, 97) }
```


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

```
.border{ border-color:rgb(45, 124, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 124, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 124, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 124, 97);  
box-shadow:4px 4px 4px 4px rgb(45, 124,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4475, 15.8363, 13.8153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 124, 97) }
```

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

```
.background{ background-color: rgb(45, 124,  
97) }
```

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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