

Converting Colors

XYZ(10.5448, 13.2940, 13.8146)

Have a look what the booklet for
XYZ(10.5448, 13.2940, 13.8146)
contains.

XYZ(10.5448, 13.2940, 13.8146)	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(10.5448, 13.2940,
13.8146)**

Conversions

Conversions Part 1

Format	Color
Hex	4A6D63
RGB	74, 109, 99
RGB Percent	29%, 43%, 39%
CMY	0.7098, 0.5725, 0.6118
CMYK	0.32, 0.00, 0.09, 0.57
HSL	163°, 19%, 36%
HSV	163°, 32%, 43%
XYZ	10.5448, 13.2940, 13.8146
YIQ	97.3950, -17.6500, -10.5300

Conversions

Conversions Part 2

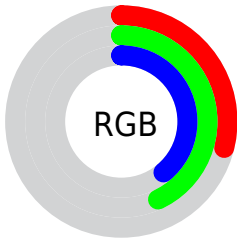
Format	Color
RYB	74, 94, 109
Decimal	4877667
CIELab	43.20, -14.93, 1.58
CIElCh	43, 15.014, 173.974
Yxy	13.2940, 0.2800, 0.3531
Android (android.graphics.Color)	4283067747 (0xFF4A6D63)
YUV	97.3950, 0.7913, -20.5174
Hunter-Lab	36.4609, -12.1830, 3.0584

Details

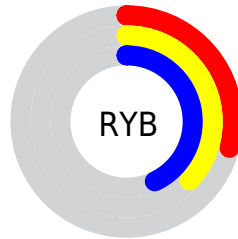
The XYZ color **10.5448, 13.2940, 13.8146** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.3561, 8.7892, 9.5387**, and the grayscale version is **11.4611, 12.0579, 13.1311**.

A 20% lighter version of the original color is **26.5621, 31.9768, 33.6263**, and **2.7633, 3.8275, 3.9613** is the 20% darker color. If you saturate the color by 10%, you get **9.6313, 12.8403, 13.0097**, and if you desaturate by 10%, it is **11.6102, 13.8261, 14.6572**.

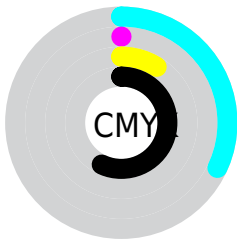
Distribution



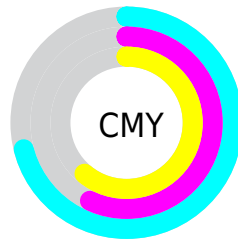
- Red (29%)
- Green (43%)
- Blue (39%)



- Red (29%)
- Yellow (37%)
- Blue (43%)



- Cyan (32%)
- Magenta (0%)
- Yellow (9%)
- Black (57%)



- Cyan (71%)
- Magenta (57%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.5448, 13.2940, 13.8146 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 10.5448, 13.2940, 13.8146 by changing the saturation by 10% instead.

■ 10.5448, 13.2940,
13.8146

■ 10.5448, 13.2940,
13.8146

188.4909,
212.7934, 227.4626

■ 5.8267, 7.6313,
7.8546

■ 26.4558, 31.8310,
33.4721

■ 2.7796, 3.8599,
3.9156

■ 38.3793, 45.4740,
48.0066

■ 1.0383, 1.5955,
1.5791

■ 53.4354, 62.5460,
66.2363

■ 0.0000, 0.3546,
0.2759

■ 71.9893, 83.4313,
88.5799

■ 0.0000, 0.0000,
0.0000

■ 94.4065, 108.5143,
115.4557

121.0522,

138.1793, 147.2824

152.2919,
172.8109, 184.4785

■ 10.5448, 13.2940,
13.8146

■ 10.5448, 13.2940,
13.8146

■ 9.6313, 12.8403,
13.0097

■ 11.6102, 13.8261,
14.6572

■ 8.8611, 12.4595,
12.2408

■ 12.8335, 14.4385,
15.5372

■ 8.2262, 12.1478,
11.5076

■ 14.2217, 15.1352,
16.4556

■ 7.7177, 11.9005,
10.8093

■ 15.7808, 15.9194,
17.4130

■ 7.3252, 11.7125,
10.1450

■ 17.5168, 16.7940,
18.4099

■ 7.0361, 11.5771,
9.5139

■ 19.4352, 17.7621,
19.4469

■ 6.8389, 11.4858,
9.0371

■ 21.5415, 18.8262,
20.5246

■ 23.8407, 19.9891,
21.6435

■ 26.3377, 21.2533,
22.8042

Harmonies

Analogous

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



10.9163, 13.2940, 11.0337



10.5448, 13.2940, 13.8146



10.7052, 13.2940, 17.2284

Triad

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



10.5448, 13.2940, 13.8146



13.5636, 13.2940, 21.1309



13.9933, 13.2940, 9.8992

Complementary

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



10.5448, 13.2940, 13.8146



10.3561, 8.7892, 9.5387

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.



14.7850, 13.2940, 12.0316



10.5448, 13.2940, 13.8146



14.5265, 13.2940, 18.5662

Square

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



10.5448, 13.2940, 13.8146



12.4028, 13.2940, 21.8016



14.9859, 13.2940, 15.1559



12.8712, 13.2940, 9.0066

Rectangle

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



10.5448, 13.2940, 13.8146



11.0975, 13.2940, 19.3783



14.9859, 13.2940, 15.1559



14.3095, 13.2940, 10.4774

Sweetspot

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



10.5452, 13.2945, 13.8149



23.4127, 26.0704, 28.1169



10.4062, 13.3403, 8.5052



5.3906, 6.0378, 6.5037



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



10.5452, 13.2945, 13.8149



17.5564, 23.1457, 23.5820



10.3361, 12.0632, 16.2523



3.1467, 3.4779, 3.7566



7.9880, 13.4293, 10.5139



40.3150, 68.2731, 51.5330

Inverse Universe

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



10.3561, 8.7892, 9.5387



17.1593, 13.6354, 14.5652



10.4856, 9.6308, 7.7850



3.1320, 3.1297, 3.4256



7.6583, 3.9155, 1.8293



38.6904, 19.8181, 7.5723

Previews

White Background



This preview shows how the XYZ color 10.5448, 13.2940, 13.8146 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 10.5448, 13.2940, 13.8146 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 10.5448, 13.2940, 13.8146

Background



This preview shows how black text looks on a background with the XYZ color 10.5448, 13.2940, 13.8146.



This preview shows how white text looks on a background with the XYZ color 10.5448, 13.2940,

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

10.5448, 13.2940, 13.8146

Protanopia

12.5449, 13.1368, 12.7009

Deuteranopia

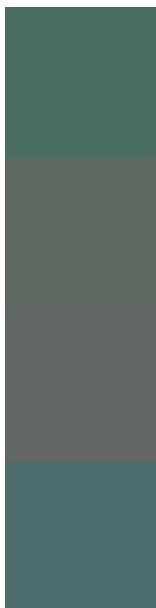
13.3987, 13.1197, 14.1381



Tritanopia

11.4941, 13.3729, 18.1951

Trichromacy



Original Color

10.5448, 13.2940, 13.8146

Protanomaly

11.6777, 13.1248, 12.9842

Deuteranomaly

12.0886, 13.0195, 13.9325

Tritanomaly

11.1834, 13.4070, 16.4664

Monochromacy



Original Color

10.5448, 13.2940, 13.8146

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.9781, 12.3130, 13.3533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.5448, 13.2940, 13.8146 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(74, 109, 99)` looks like.

```
.text, #text, p{  
    color:rgb(74, 109, 99)  
}
```

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(74, 109, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 109, 99) }
```

Border

The CSS property to change the border of an element to XYZ 10.5448, 13.2940, 13.8146 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(74, 109, 99) }
```


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

```
.border{ border-color:rgb(74, 109, 99) }
```

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

Here you see how a box with a 4 pixel rgb(74, 109, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 109, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 109, 99);  
box-shadow:4px 4px 4px 4px rgb(74, 109,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 10.5448, 13.2940, 13.8146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 109, 99) }
```

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

```
.background{ background-color: rgb(74, 109,  
99) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor