

Converting Colors

XYZ(13.3110, 22.2432, 17.9364)

Have a look what the booklet for
XYZ(13.3110, 22.2432, 17.9364)
contains.

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Color

**XYZ(13.3502, 22.2839,
18.0656)**

Conversions

Conversions Part 1

Format	Color
Hex	00946D
RGB	0, 148, 109
RGB Percent	0%, 58%, 43%
CMY	1.0000, 0.4196, 0.5725
CMYK	1.00, 0.00, 0.26, 0.42
HSL	164°, 100%, 29%
HSV	164°, 100%, 58%
XYZ	13.3502, 22.2839, 18.0656
YIQ	99.3020, -75.6890, -43.5050

Conversions

Conversions Part 2

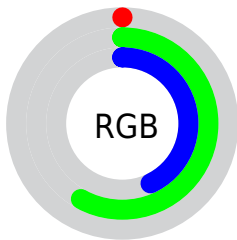
Format	Color
RYB	0, 85, 148
Decimal	37997
CIELab	54.33, -43.23, 11.35
CIELCh	54, 44.692, 165.282
Yxy	22.2839, 0.2486, 0.4150
Android (android.graphics.Color)	4278228077 (0xFF00946D)
YUV	99.3020, 4.7811, -87.0879
Hunter-Lab	47.2058, -32.1289, 10.3539

Details

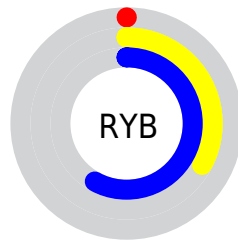
The XYZ color **13.3502, 22.2839, 18.0656** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **12.5797, 6.4429, 2.5011**, and the grayscale version is **11.9390, 12.5608, 13.6787**.

A 20% lighter version of the original color is **31.5353, 47.2164, 41.1698**, and **5.0252, 8.7027, 5.8298** is the 20% darker color. If you saturate the color by 10%, you get **13.3505, 22.2846, 18.0653**, and if you desaturate by 10%, it is **13.7593, 22.4706, 19.2059**.

Distribution



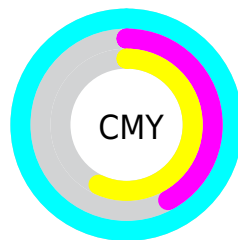
- Red (0%)
- Green (58%)
- Blue (43%)



- Red (0%)
- Yellow (33%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (42%)



- Cyan (100%)
- Magenta (42%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3502, 22.2839, 18.0656 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 13.3502, 22.2839, 18.0656 by changing the saturation by 10% instead.

■ 13.3502, 22.2839,
18.0656

■ 13.3502, 22.2839,
18.0656

206.7426,
264.0253, 253.4891

■ 7.7488, 14.0657,
10.8272

■ 31.5275, 47.2148,
40.9645

■ 3.9851, 8.1663,
5.8380

■ 44.8341, 64.6962,
57.4621

■ 1.6937, 4.2016,
2.6797

■ 61.4398, 86.0341,
77.8831

■ 0.4523, 1.7869,
0.9332

■ 81.7100, 111.6130,
102.6461

■ 0.0000, 0.4790,
0.0000

■ 106.0100,
141.8171, 132.1697

■ 0.0000, 0.0000,
0.0000

■ 134.7052,

177.0309, 166.8724

168.1610,
217.6389, 207.1726

■ 13.3502, 22.2839,
18.0656

■ 13.3502, 22.2839,
18.0656

■ 13.3505, 22.2846,
18.0653

■ 13.7593, 22.4706,
19.2059

■ 14.3137, 22.7305,
20.4017

■ 15.0797, 23.0984,
21.6573

■ 16.0829, 23.5874,
22.9745

■ 17.3448, 24.2087,
24.3548

■ 18.8847, 24.9721,
25.7997

■ 20.7199, 25.8867,
27.3106

■ 22.8664, 26.9606,
28.8888

■ 25.3389, 28.2013,
30.5355

Harmonies

Analogous

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



15.1965, 22.2839, 9.8585



13.3502, 22.2839, 18.0656



13.3678, 22.2839, 32.0440

Triad

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



13.3502, 22.2839, 18.0656



23.7465, 22.2839, 60.4360



28.4790, 22.2839, 9.7563

Complementary

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



13.3502, 22.2839, 18.0656



12.5797, 6.4429, 2.5011

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.



31.5630, 22.2839, 17.8567



13.3502, 22.2839, 18.0656



28.5586, 22.2839, 48.4595

Square

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



13.3502, 22.2839, 18.0656



18.8882, 22.2839, 60.5618



31.5941, 22.2839, 31.7377



23.6504, 22.2839, 6.4658

Rectangle

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



13.3502, 22.2839, 18.0656



14.4164, 22.2839, 43.2932



31.5941, 22.2839, 31.7377



29.7846, 22.2839, 11.8318

Sweetspot

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



13.3508, 22.2848, 18.0661



36.3463, 45.5685, 48.0215



11.4452, 21.6212, 3.5704



8.0024, 10.2553, 10.7267



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.3508, 22.2848, 18.0661



23.4818, 39.2893, 31.4863



11.3034, 14.0539, 30.1349



5.8995, 6.5364, 7.0818



11.4147, 19.0387, 15.4910



0.1519, 0.2379, 0.2536

Inverse Universe

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



12.5797, 6.4429, 2.5011



22.1332, 11.3426, 4.0860



12.8009, 7.4715, 0.7678



5.8598, 5.8390, 6.3680



10.7545, 5.5069, 2.1884



0.1424, 0.0717, 0.0835

Previews

White Background



This preview shows how the XYZ color 13.3502, 22.2839, 18.0656 looks on a white 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

Black Background



This preview shows how the XYZ color 13.3502, 22.2839, 18.0656 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 × Fail

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

XYZ 13.3502, 22.2839, 18.0656

Background



This preview shows how black text looks on a background with the XYZ color 13.3502, 22.2839, 18.0656.



This preview shows how white text looks on a background with the XYZ color 13.3502, 22.2839,

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

13.3502, 22.2839, 18.0656

Protanopia

20.6317, 22.0239, 15.2202

Deuteranopia

22.4035, 22.0852, 19.0017



Tritanopia

16.7247, 22.3075, 33.9961

Trichromacy



Original Color

13.3502, 22.2839, 18.0656

Protanomaly

15.2768, 20.6623, 16.0150

Deuteranomaly

15.9283, 20.3246, 18.4128

Tritanomaly

15.1258, 22.0728, 27.5080

Monochromacy



Original Color

13.3502, 22.2839, 18.0656

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

10.8594, 14.7586, 15.1083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3502, 22.2839, 18.0656 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(0, 148, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 109)  
}
```

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(0, 148, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 109) }
```

Border

The CSS property to change the border of an element to XYZ 13.3502, 22.2839, 18.0656 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(0, 148, 109) }
```


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

```
.border{ border-color:rgb(0, 148, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 148, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3502, 22.2839, 18.0656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 109) }
```

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

```
.background{ background-color: rgb(0, 148,  
109) }
```

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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