

Converting Colors

XYZ(5.8518, 18.1102, 17.1936)

Have a look what the booklet for
XYZ(5.8518, 18.1102, 17.1936)
contains.

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Color

**XYZ(13.0876, 21.9290,
17.4528)**

Conversions

Conversions Part 1

Format	Color
Hex	00936B
RGB	0, 147, 107
RGB Percent	0%, 58%, 42%
CMY	0.9999, 0.4235, 0.5804
CMYK	1.00, 0.00, 0.27, 0.42
HSL	164°, 100%, 29%
HSV	164°, 100%, 58%
XYZ	13.0876, 21.9290, 17.4528
YIQ	98.4870, -74.7720, -43.6040

Conversions

Conversions Part 2

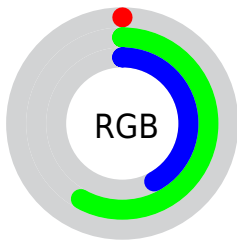
Format	Color
RYB	0, 85, 147
Decimal	37739
CIELab	53.95, -43.32, 11.96
CIELCh	54, 44.944, 164.562
Yxy	21.9290, 0.2494, 0.4179
Android (android.graphics.Color)	4278227819 (0xFF00936B)
YUV	98.4870, 4.1969, -86.3731
Hunter-Lab	46.8284, -32.0626, 10.6827

Details

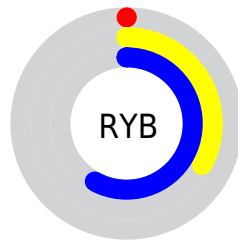
The XYZ color **13.0876, 21.9290, 17.4528** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **12.4165, 6.3569, 2.5815**, and the grayscale version is **11.7355, 12.3467, 13.4456**.

A 20% lighter version of the original color is **31.0384, 46.6410, 39.7145**, and **4.9078, 8.5107, 5.6590** is the 20% darker color. If you saturate the color by 10%, you get **13.0878, 21.9297, 17.4522**, and if you desaturate by 10%, it is **13.4958, 22.1151, 18.5968**.

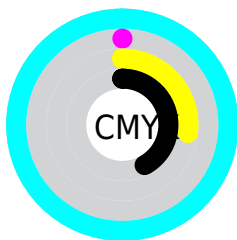
Distribution



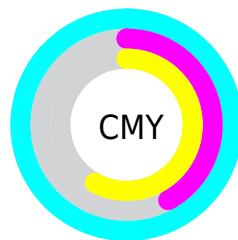
- Red (0%)
- Green (58%)
- Blue (42%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (42%)



- Cyan (100%)
- Magenta (42%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0876, 21.9290, 17.4528 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 13.0876, 21.9290, 17.4528 by changing the saturation by 10% instead.

■ 13.0876, 21.9290,
17.4528

■ 13.0876, 21.9290,
17.4528

■ 205.1046,
262.1753, 249.9001

■ 7.5663, 13.8047,
10.3925

■ 31.0610, 46.6286,
39.9039

■ 3.8682, 7.9850,
5.5510

■ 44.2439, 63.9728,
56.1318

■ 1.6278, 4.0853,
2.5097

■ 60.7114, 85.1590,
76.2527

■ 0.4104, 1.7214,
0.8453

■ 80.8287, 110.5717,
100.6850

■ 0.0000, 0.4375,
0.0000

■ 104.9614,
140.5953, 129.8474

■ 0.0000, 0.0000,
0.0000

■ 133.4747,

175.6142, 164.1583

166.7340,
216.0127, 204.0364

■ 13.0876, 21.9290,
17.4528

■ 13.0876, 21.9290,
17.4528

■ 13.0878, 21.9297,
17.4522

■ 13.4958, 22.1151,
18.5968

■ 14.0473, 22.3734,
19.7985

■ 14.8077, 22.7382,
21.0621

■ 15.8022, 23.2225,
22.3895

■ 17.0520, 23.8373,
23.7823

■ 18.5761, 24.5923,
25.2420

■ 20.3916, 25.4962,
26.7700

■ 22.5140, 26.5572,
28.3676

■ 24.9579, 27.7827,
30.0361

Harmonies

Analogous

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



14.9630, 21.9290, 9.4609



13.0876, 21.9290, 17.4528



13.0606, 21.9290, 31.2369

Triad

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



13.0876, 21.9290, 17.4528



23.2752, 21.9290, 60.1521



28.2140, 21.9290, 9.6174

Complementary

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



13.0876, 21.9290, 17.4528



12.4165, 6.3569, 2.5815

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.



31.2282, 21.9290, 17.7747



13.0876, 21.9290, 17.4528



28.0909, 21.9290, 48.3926

Square

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



13.0876, 21.9290, 17.4528



18.4589, 21.9290, 59.9567



31.1799, 21.9290, 31.7109



23.4237, 21.9290, 6.2824

Rectangle

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



13.0876, 21.9290, 17.4528



14.0709, 21.9290, 42.4471



31.1799, 21.9290, 31.7109



29.4993, 21.9290, 11.7095

Sweetspot

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



13.0882, 21.9299, 17.4533



36.2975, 45.5490, 47.7644



11.3752, 21.3534, 3.5225



7.9900, 10.2504, 10.6616



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.



13.0882, 21.9299, 17.4533



23.3604, 39.2408, 30.8470



11.4153, 14.4036, 29.7833



5.8974, 6.5356, 7.0709



11.3567, 19.0155, 15.1859



0.1514, 0.2377, 0.2511

Inverse Universe

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



12.4165, 6.3569, 2.5815



22.1697, 11.3572, 4.2780



12.5460, 7.2289, 0.7345



5.8618, 5.8398, 6.3783



10.7731, 5.5143, 2.2861



0.1429, 0.0719, 0.0861

Previews

White Background



This preview shows how the XYZ color 13.0876, 21.9290, 17.4528 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 13.0876, 21.9290, 17.4528 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 13.0876, 21.9290, 17.4528

Background



This preview shows how black text looks on a background with the XYZ color 13.0876, 21.9290, 17.4528.



This preview shows how white text looks on a background with the XYZ color 13.0876, 21.9290,

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

13.0876, 21.9290, 17.4528

Protanopia

20.2403, 21.6386, 14.6652

Deuteranopia

22.1649, 21.7882, 18.3666



Tritanopia

16.4936, 21.9780, 33.5099

Trichromacy



Original Color

13.0876, 21.9290, 17.4528



Protanomaly

14.9434, 20.2938, 15.4414



Deuteranomaly

15.6818, 20.0080, 17.7873



Tritanomaly

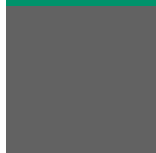
14.8315, 21.7138, 26.7020

Monochromacy



Original Color

13.0876, 21.9290, 17.4528



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

10.5810, 14.4545, 14.5442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0876, 21.9290, 17.4528 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, 147, 107)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 107)  
}
```

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, 147, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 107) }
```

Border

The CSS property to change the border of an element to XYZ 13.0876, 21.9290, 17.4528 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, 147, 107) }
```


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

```
.border{ border-color:rgb(0, 147, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 147, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 107);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0876, 21.9290, 17.4528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 107) }
```

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

```
.background{ background-color: rgb(0, 147,  
107) }
```

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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