

Converting Colors

XYZ(12.3985, 17.0073, 14.5181)

Have a look what the booklet for
XYZ(12.3985, 17.0073, 14.5181)
contains.

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Color

**XYZ(12.4098, 17.0239,
14.4363)**

Conversions

Conversions Part 1

Format	Color
Hex	4A7D63
RGB	74, 125, 99
RGB Percent	29%, 49%, 39%
CMY	0.7098, 0.5098, 0.6118
CMYK	0.41, 0.00, 0.21, 0.51
HSL	149°, 26%, 39%
HSV	149°, 41%, 49%
XYZ	12.4098, 17.0239, 14.4363
YIQ	106.7870, -22.0500, -18.8980

Conversions

Conversions Part 2

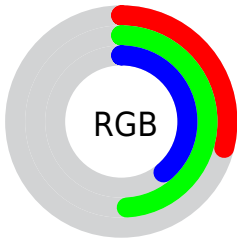
Format	Color
RYB	74, 108, 125
Decimal	4881763
CIELab	48.29, -23.46, 8.86
CIELCh	48, 25.075, 159.303
Yxy	17.0239, 0.2829, 0.3881
Android (android.graphics.Color)	4283071843 (0xFF4A7D63)
YUV	106.7870, -3.8390, -28.7542
Hunter-Lab	41.2600, -18.5175, 8.1373

Details

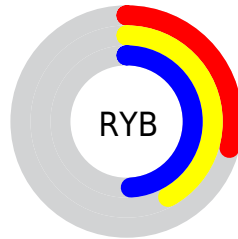
The XYZ color **12.4098, 17.0239, 14.4363** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.2070, 10.1781, 13.3257**, and the grayscale version is **13.9312, 14.6567, 15.9611**.

A 20% lighter version of the original color is **29.8829, 38.4028, 34.6916**, and **3.5810, 5.6110, 4.1431** is the 20% darker color. If you saturate the color by 10%, you get **11.2487, 16.4596, 12.8540**, and if you desaturate by 10%, it is **13.7871, 17.6978, 16.1550**.

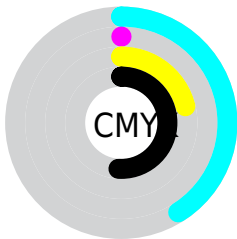
Distribution



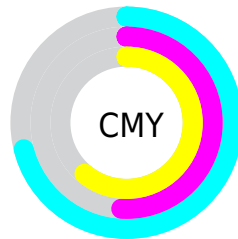
- Red (29%)
- Green (49%)
- Blue (39%)



- Red (29%)
- Yellow (42%)
- Blue (49%)



- Cyan (41%)
- Magenta (0%)
- Yellow (21%)
- Black (51%)



- Cyan (71%)
- Magenta (51%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4098, 17.0239, 14.4363 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 12.4098, 17.0239, 14.4363 by changing the saturation by 10% instead.

■ 12.4098, 17.0239,
14.4363

■ 12.4098, 17.0239,
14.4363

200.8147,
235.3101, 231.4505

■ 7.0976, 10.2515,
8.2825

■ 29.8497, 38.3669,
34.5894

■ 3.5701, 5.5660,
4.1859

■ 42.7082, 53.7062,
49.4258

■ 1.4619, 2.5831,
1.7279

■ 58.8127, 72.6701,
67.9935

■ 0.2997, 0.9182,
0.3797

■ 78.5287, 95.6428,
90.7111

■ 0.0000, 0.0000,
0.0000

■ 102.2216,
123.0088, 117.9970

130.2566,

155.1524, 150.2699

162.9992,
192.4580, 187.9482

■ 12.4098, 17.0239,
14.4363

■ 12.4098, 17.0239,
14.4363

■ 11.2487, 16.4596,
12.8540

■ 13.7871, 17.6978,
16.1550

■ 10.2906, 15.9968,
11.4035

■ 15.3903, 18.4848,
18.0122

■ 9.5227, 15.6294,
10.0816

■ 17.2300, 19.3909,
20.0116

■ 8.9302, 15.3498,
8.8845

■ 19.3158, 20.4208,
22.1561

■ 8.4959, 15.1493,
7.8081

■ 21.6567, 21.5793,
24.4487

■ 8.1836, 15.0077,
6.9191

■ 24.2613, 22.8706,
26.8924

■ 27.1378, 24.2990,
29.4898

■ 30.2940, 25.8684,
32.2438

■ 33.7372, 27.5825,
35.1569

Harmonies

Analogous

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



13.5549, 17.0239, 10.4066



12.4098, 17.0239, 14.4363



12.2217, 17.0239, 20.6450

Triad

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



12.4098, 17.0239, 14.4363



16.9012, 17.0239, 33.9275



19.8231, 17.0239, 11.6552

Complementary

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



12.4098, 17.0239, 14.4363



13.2070, 10.1781, 13.3257

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.



20.9139, 17.0239, 16.5760



12.4098, 17.0239, 14.4363



19.1255, 17.0239, 30.0734

Square

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



12.4098, 17.0239, 14.4363



14.6775, 17.0239, 32.9695



20.6472, 17.0239, 23.3468



17.7832, 17.0239, 9.0831

Rectangle

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



12.4098, 17.0239, 14.4363



12.6447, 17.0239, 25.3997



20.6472, 17.0239, 23.3468



20.3212, 17.0239, 13.0359

Sweetspot

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



12.4103, 17.0246, 14.4367



30.3350, 34.4673, 35.2845



13.8645, 17.8917, 9.2016



6.8224, 7.8018, 7.9430



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.



12.4103, 17.0246, 14.4367



20.2601, 29.5309, 23.1849



13.8058, 17.5828, 21.7855



4.3570, 4.8511, 5.0513



8.5374, 15.6615, 7.2025



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.2070, 10.1781, 13.3257



21.8944, 15.4850, 20.9041



12.1716, 9.7639, 7.8731



4.4121, 4.3780, 4.9746



9.7812, 4.9322, 5.4378



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.4098, 17.0239, 14.4363 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 12.4098, 17.0239, 14.4363 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 12.4098, 17.0239, 14.4363

Background



This preview shows how black text looks on a background with the XYZ color 12.4098, 17.0239, 14.4363.



This preview shows how white text looks on a background with the XYZ color 12.4098, 17.0239,

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

12.4098, 17.0239, 14.4363

Protanopia

15.9229, 16.9077, 13.0140

Deuteranopia

17.1801, 16.8570, 14.9186



Tritanopia

14.2600, 17.0358, 23.6557

Trichromacy



Original Color

12.4098, 17.0239, 14.4363

Protanomaly

14.2987, 16.7445, 13.5447

Deuteranomaly

14.9101, 16.5160, 14.7140

Tritanomaly

13.4312, 16.8707, 20.0012

Monochromacy



Original Color

12.4098, 17.0239, 14.4363

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.2353, 15.4670, 15.3846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4098, 17.0239, 14.4363 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, 125, 99)` looks like.

```
.text, #text, p{  
    color:rgb(74, 125, 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, 125, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 125, 99) }
```

Border

The CSS property to change the border of an element to XYZ 12.4098, 17.0239, 14.4363 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, 125, 99) }
```


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

```
.border{ border-color:rgb(74, 125, 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, 125, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 125, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 125, 99);  
box-shadow:4px 4px 4px 4px rgb(74, 125,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4098, 17.0239, 14.4363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 125, 99) }
```

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

```
.background{ background-color: rgb(74, 125,  
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](#).

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