

Converting Colors

XYZ(12.3955, 17.1687, 12.1669)

Have a look what the booklet for
XYZ(12.3955, 17.1687, 12.1669)
contains.

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Color

**XYZ(12.4059, 17.2627,
12.1294)**

Conversions

Conversions Part 1

Format	Color
Hex	4E7E59
RGB	78, 126, 89
RGB Percent	31%, 49%, 35%
CMY	0.6941, 0.5059, 0.6510
CMYK	0.38, 0.00, 0.29, 0.51
HSL	134°, 24%, 40%
HSV	134°, 38%, 49%
XYZ	12.4059, 17.2627, 12.1294
YIQ	107.4300, -16.7310, -21.6830

Conversions

Conversions Part 2

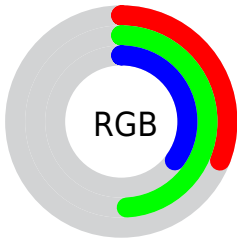
Format	Color
RYB	78, 117, 126
Decimal	5144153
CIELab	48.59, -24.77, 15.13
CIELCh	49, 29.027, 148.589
Yxy	17.2627, 0.2968, 0.4130
Android (android.graphics.Color)	4283334233 (0xFF4E7E59)
YUV	107.4300, -9.0860, -25.8101
Hunter-Lab	41.5484, -19.4116, 11.7751

Details

The XYZ color **12.4059, 17.2627, 12.1294** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.4236, 11.1225, 17.6068**, and the grayscale version is **14.1228, 14.8583, 16.1807**.

A 20% lighter version of the original color is **29.8336, 38.7714, 30.3373**, and **3.5966, 5.7434, 3.2045** is the 20% darker color. If you saturate the color by 10%, you get **11.0896, 16.6287, 10.0775**, and if you desaturate by 10%, it is **13.9748, 18.0217, 14.4748**.

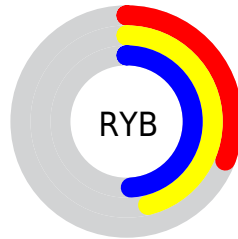
Distribution



Red (31%)

Green (49%)

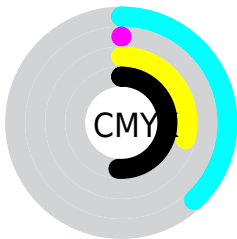
Blue (35%)



Red (31%)

Yellow (46%)

Blue (49%)

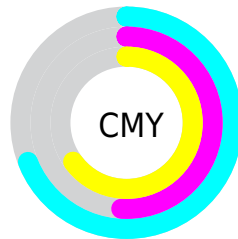


Cyan (38%)

Magenta (0%)

Yellow (29%)

Black (51%)



Cyan (69%)

Magenta (51%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4059, 17.2627, 12.1294 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 12.4059, 17.2627, 12.1294 by changing the saturation by 10% instead.

■ 12.4059, 17.2627,
12.1294

■ 12.4059, 17.2627,
12.1294

200.7898,
236.6817, 216.2683

■ 7.0949, 10.4220,
6.7083

■ 29.8427, 38.7769,
30.3985

■ 3.5684, 5.6796,
3.2047

■ 42.6993, 54.2192,
44.0835

■ 1.4610, 2.6513,
1.2001

■ 58.8017, 73.2974,
61.3602

■ 0.2991, 0.9525,
0.0000

■ 78.5154, 96.3959,
82.6472

■ 0.0000, 0.0000,
0.0000

■ 102.2057,
123.8993, 108.3629

130.2379,

156.1918, 138.9260

162.9775,
193.6578, 174.7550

■ 12.4059, 17.2627,
12.1294

■ 12.4059, 17.2627,
12.1294

■ 11.0896, 16.6287,
10.0775

■ 13.9748, 18.0217,
14.4748

■ 10.0111, 16.1107,
8.3065

■ 15.8073, 18.9097,
17.1235

■ 9.1561, 15.7023,
6.8044


■ 17.9156, 19.9331,
20.0862

■ 8.5082, 15.3953,
5.5579


■ 20.3103, 21.0974,
23.3727


■ 8.0487, 15.1802,
4.5527

■ 23.0020, 22.4077,
26.9925


 7.7350, 15.0354,
3.7719

 26.0002, 23.8687,
30.9546

 7.6815, 15.0105,
3.6469

 29.3144, 25.4852,
35.2677

 32.9536, 27.2616,
39.9402

 36.9261, 29.2021,
44.9801

Harmonies

Analogous

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



14.0724, 17.2627, 8.6187



12.4059, 17.2627, 12.1294



11.7933, 17.2627, 18.4364

Triad

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



12.4059, 17.2627, 12.1294



16.2816, 17.2627, 37.6509



21.3392, 17.2627, 12.6037

Complementary

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



12.4059, 17.2627, 12.1294



14.4236, 11.1225, 17.6068

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.



22.0915, 17.2627, 19.1605



12.4059, 17.2627, 12.1294



18.9880, 17.2627, 34.8812

Square

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



12.4059, 17.2627, 12.1294



13.8756, 17.2627, 34.3374



21.1889, 17.2627, 27.5442



19.2304, 17.2627, 8.8358

Rectangle

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



12.4059, 17.2627, 12.1294



12.0082, 17.2627, 23.8815



21.1889, 17.2627, 27.5442



21.7686, 17.2627, 14.4894

Sweetspot

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



12.4064, 17.2634, 12.1298



30.3073, 34.4893, 33.6453



15.9861, 19.1583, 10.0632



6.8018, 7.8004, 7.5243



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.



12.4064, 17.2634, 12.1298



19.7363, 29.3732, 18.0838



13.5502, 17.7210, 18.1532



4.3133, 4.8336, 4.8211



7.8786, 15.3980, 3.7336



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.4236, 11.1225, 17.6068



23.8334, 16.8833, 29.1949



13.2434, 10.6504, 11.3918



4.4573, 4.3961, 5.2127



11.0449, 5.4377, 12.0922



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.4059, 17.2627, 12.1294 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 12.4059, 17.2627, 12.1294 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 12.4059, 17.2627, 12.1294

Background



This preview shows how black text looks on a background with the XYZ color 12.4059, 17.2627, 12.1294.



This preview shows how white text looks on a background with the XYZ color 12.4059, 17.2627,

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

12.4059, 17.2627, 12.1294

Protanopia

15.8993, 17.1125, 10.8526

Deuteranopia

17.3392, 16.9929, 12.4913



Tritanopia

14.7971, 17.3127, 23.6809

Trichromacy



Original Color

12.4059, 17.2627, 12.1294

Protanomaly

14.3399, 16.9913, 11.3280

Deuteranomaly

15.0731, 16.8235, 12.3504

Tritanomaly

13.8336, 17.2885, 18.8276

Monochromacy



Original Color

12.4059, 17.2627, 12.1294

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.1414, 15.4415, 14.3445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4059, 17.2627, 12.1294 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(78, 126, 89)` looks like.

```
.text, #text, p{  
    color:rgb(78, 126, 89)  
}
```

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(78, 126, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 126, 89) }
```

Border

The CSS property to change the border of an element to XYZ 12.4059, 17.2627, 12.1294 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(78, 126, 89) }
```


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

```
.border{ border-color:rgb(78, 126, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 126, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 126, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 126, 89);  
box-shadow:4px 4px 4px 4px rgb(78, 126,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4059, 17.2627, 12.1294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 126, 89) }
```

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

```
.background{ background-color: rgb(78, 126,  
89) }
```

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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