

Converting Colors

XYZ(8.9438, 12.3454, 17.4664)

Have a look what the booklet for
XYZ(8.9438, 12.3454, 17.4664)
contains.

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Color

**XYZ(8.9847, 12.4056,
17.5438)**

Conversions

Conversions Part 1

Format	Color
Hex	1E6D71
RGB	30, 109, 113
RGB Percent	12%, 43%, 44%
CMY	0.8823, 0.5725, 0.5569
CMYK	0.73, 0.04, 0.00, 0.56
HSL	183°, 58%, 28%
HSV	183°, 73%, 44%
XYZ	8.9847, 12.4056, 17.5438
YIQ	85.8350, -48.3680, -15.5040

Conversions

Conversions Part 2

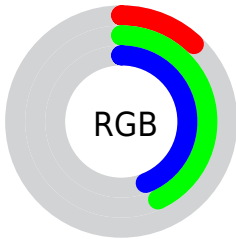
Format	Color
R_{YB}	30, 70, 113
Decimal	1994097
CIE _{Lab}	41.85, -21.60, -9.08
CIE _{LCh}	42, 23.434, 202.806
Yxy	12.4056, 0.2308, 0.3186
Android (android.graphics.Color)	4280184177 (0xFF1E6D71)
YUV	85.8350, 13.3923, -48.9673
Hunter-Lab	35.2216, -16.1041, -4.8771




Details

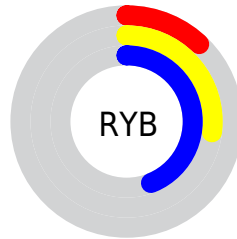
The XYZ color **8.9847, 12.4056, 17.5438** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.6167, 4.7488, 1.7437**, and the grayscale version is **8.7907, 9.2485, 10.0716**.




A 20% lighter version of the original color is **23.5609, 30.2811, 40.2003**, and **2.6229, 3.7191, 5.5807** is the 20% darker color. If you saturate the color by 10%, you get **8.6545, 12.1497, 17.5120**, and if you desaturate by 10%, it is **9.4344, 12.7242, 17.5818**.

Distribution







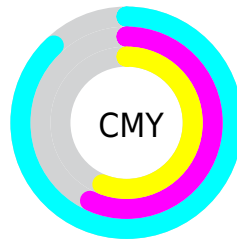
-  Red (12%)
-  Green (43%)
-  Blue (44%)






-  Red (12%)
-  Yellow (27%)
-  Blue (44%)



-  Cyan (73%)
-  Magenta (4%)
-  Yellow (0%)
-  Black (56%)



-  Cyan (88%)
-  Magenta (57%)
-  Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.9847, 12.4056, 17.5438 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 8.9847, 12.4056, 17.5438 by changing the saturation by 10% instead.

8.9847, 12.4056,
17.5438

8.9847, 12.4056,
17.5438

177.4732,
207.0723, 250.4361

4.7882, 7.0205,
10.4569

23.5348, 30.2317,
40.0618

2.1570, 3.4749,
5.5934

34.6192, 43.4415,
56.3300

0.7199, 1.3844,
2.5347

48.7303, 60.0284,
76.4957

0.0000, 0.2052,
0.8585

66.2333, 80.3767,
100.9775

0.0000, 0.0000,
0.0000

87.4938, 104.8709,
130.1939

112.8771,

133.8953, 164.5635

142.7484,
167.8343, 204.5047

■ 8.9847, 12.4056,
17.5438

■ 8.9847, 12.4056,
17.5438

■ 8.6545, 12.1497,
17.5120

■ 9.4344, 12.7242,
17.5818

■ 8.4268, 11.9469,
17.4849

■ 10.0139, 13.1100,
17.6257

■ 8.2966, 11.8241,
17.4680

■ 10.7336, 13.5685,
17.6763

■ 11.6024, 14.1046,
17.7340

■ 12.6289, 14.7223,
17.7991

■ 13.8205, 15.4258,
17.8721

■ 15.1846, 16.2187,
17.9533

■ 16.7278, 17.1046,
18.0429

■ 18.4566, 18.0866,
18.1413

Harmonies

Analogous

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



8.7911, 12.4056, 12.3501



8.9847, 12.4056, 17.5438



9.8937, 12.4056, 22.5988

Triad

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



8.9847, 12.4056, 17.5438



14.6422, 12.4056, 20.1186



12.2124, 12.4056, 6.0930

Complementary

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



8.9847, 12.4056, 17.5438



7.6167, 4.7488, 1.7437

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.



13.9169, 12.4056, 7.2548



8.9847, 12.4056, 17.5438



15.4061, 12.4056, 14.7352

Square

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



8.9847, 12.4056, 17.5438



13.1271, 12.4056, 24.3210



15.1285, 12.4056, 10.1434



10.5491, 12.4056, 6.4952

Rectangle

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



8.9847, 12.4056, 17.5438



10.8356, 12.4056, 24.7958



15.1285, 12.4056, 10.1434



12.8013, 12.4056, 6.3015

Sweetspot

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



8.9851, 12.4061, 17.5441



22.7855, 26.4647, 31.8828



6.7121, 12.1951, 3.4222



5.1789, 6.0664, 7.3677



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



8.9851, 12.4061, 17.5441



15.2001, 21.4970, 31.3237



5.6281, 5.6922, 16.4251



3.4619, 3.7890, 4.3031



9.4069, 13.4041, 19.8131



46.6749, 66.4016, 98.6359

Inverse Universe

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



10.0350, 5.5437, 15.0097



17.2616, 8.6529, 26.2058



9.5113, 8.5381, 2.3753



3.5078, 3.4508, 4.2008



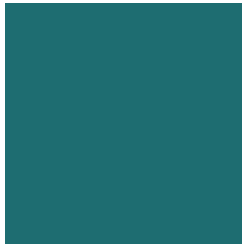
10.7665, 5.1990, 16.3782



53.5393, 25.8610, 81.0950

Previews

White Background



This preview shows how the XYZ color 8.9847, 12.4056, 17.5438 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 8.9847, 12.4056, 17.5438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

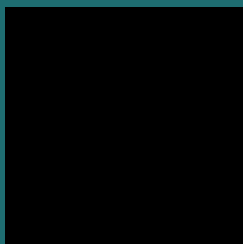
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

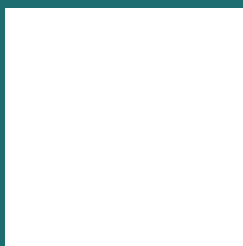
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 8.9847, 12.4056, 17.5438

Background



This preview shows how black text looks on a background with the XYZ color 8.9847, 12.4056, 17.5438.



This preview shows how white text looks on a background with the XYZ color 8.9847, 12.4056,

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

8.9847, 12.4056, 17.5438

Protanopia

12.0062, 12.3726, 15.3910

Deuteranopia

12.4808, 12.2793, 18.2353



Tritanopia

9.2006, 12.3328, 18.7252

Trichromacy



Original Color

8.9847, 12.4056, 17.5438

Protanomaly

10.2593, 12.0233, 16.2480

Deuteranomaly

10.5722, 12.0010, 17.9789

Tritanomaly

9.1106, 12.2932, 18.4156

Monochromacy



Original Color

8.9847, 12.4056, 17.5438

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

8.3608, 10.0082, 12.5574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.9847, 12.4056, 17.5438 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(30, 109, 113)` looks like.

```
.text, #text, p{  
    color:rgb(30, 109, 113)  
}
```

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(30, 109, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 109, 113) }
```

Border

The CSS property to change the border of an element to XYZ 8.9847, 12.4056, 17.5438 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(30, 109, 113) }
```


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

```
.border{ border-color:rgb(30, 109, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 109, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 109, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 109, 113);  
box-shadow:4px 4px 4px 4px rgb(30, 109,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 8.9847, 12.4056, 17.5438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 109, 113) }
```

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

```
.background{ background-color: rgb(30, 109,  
113) }
```

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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