

Converting Colors

XYZ(10.3499, 14.0931, 17.7742)

Have a look what the booklet for
XYZ(10.3499, 14.0931, 17.7742)
contains.

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Color

**XYZ(10.3780, 14.1067,
17.7987)**

Conversions

Conversions Part 1

Format	Color
Hex	317371
RGB	49, 115, 113
RGB Percent	19%, 45%, 44%
CMY	0.8078, 0.5490, 0.5569
CMYK	0.57, 0.00, 0.02, 0.55
HSL	178°, 40%, 32%
HSV	178°, 57%, 45%
XYZ	10.3780, 14.1067, 17.7987
YIQ	95.0380, -38.6940, -14.6140

Conversions

Conversions Part 2

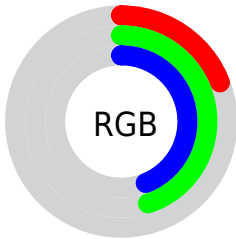
Format	Color
RYB	49, 83, 115
Decimal	3240817
CIELab	44.39, -21.30, -5.24
CIELCh	44, 21.938, 193.825
Yxy	14.1067, 0.2454, 0.3336
Android (android.graphics.Color)	4281430897 (0xFF317371)
YUV	95.0380, 8.8553, -40.3753
Hunter-Lab	37.5589, -16.4062, -1.8056




Details

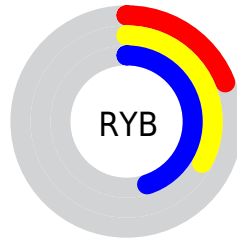
The XYZ color **10.3780, 14.1067, 17.7987** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.7666, 6.0809, 3.8441**, and the grayscale version is **10.8728, 11.4391, 12.4571**.




A 20% lighter version of the original color is **26.0897, 33.1788, 40.6264**, and **2.9023, 4.2781, 5.6738** is the 20% darker color. If you saturate the color by 10%, you get **9.8732, 13.8490, 17.6731**, and if you desaturate by 10%, it is **11.0254, 14.4385, 17.9320**.

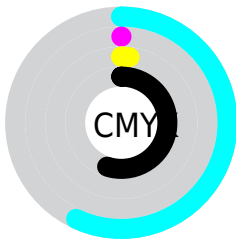
Distribution







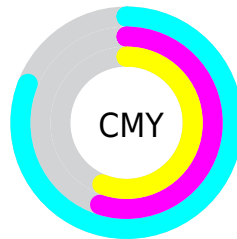
-  Red (19%)
-  Green (45%)
-  Blue (44%)






-  Red (19%)
-  Yellow (33%)
-  Blue (45%)



-  Cyan (57%)
-  Magenta (0%)
-  Yellow (2%)
-  Black (55%)



-  Cyan (81%)
-  Magenta (55%)
-  Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3780, 14.1067, 17.7987 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 10.3780, 14.1067, 17.7987 by changing the saturation by 10% instead.

10.3780, 14.1067,
17.7987

10.3780, 14.1067,
17.7987

187.3468,
217.8936, 251.9319

5.7145, 8.1949,
10.6376

26.1474, 33.2782,
40.5033

2.7113, 4.2199,
5.7126

37.9839, 47.3068,
56.8839

1.0030, 1.7973,
2.6052

52.9422, 64.8097,
77.1748

0.0000, 0.4855,
0.8951

71.3875, 86.1713,
101.7944

0.0000, 0.0000,
0.0000

93.6853, 111.7762,
131.1614

120.2009,

142.0086, 165.6943

151.2996,
177.2529, 205.8116

■ 10.3780, 14.1067,
17.7987

■ 10.3780, 14.1067,
17.7987

■ 9.8732, 13.8490,
17.6731

■ 11.0254, 14.4385,
17.9320

■ 9.4986, 13.6582,
17.5537

■ 11.8238, 14.8478,
18.0724

■ 9.2421, 13.5282,
17.4402

■ 12.7828, 15.3399,
18.2208

■ 9.0713, 13.4424,
17.3311

■ 13.9105, 15.9190,
18.3774

■ 9.0287, 13.4210,
17.3027

■ 15.2147, 16.5890,
18.5427

■ 16.7026, 17.3537,
18.7170

■ 18.3810, 18.2167,
18.9006

■ 20.2565, 19.1811,
19.0938

■ 22.3350, 20.2503,
19.2970

Harmonies

Analogous

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



10.4084, 14.1067, 12.8106



10.3780, 14.1067, 17.7987



11.1078, 14.1067, 23.1119

Triad

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



10.3780, 14.1067, 17.7987



15.8953, 14.1067, 23.4837



14.3748, 14.1067, 7.7945

Complementary

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



10.3780, 14.1067, 17.7987



8.7666, 6.0809, 3.8441

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.



16.0057, 14.1067, 9.5697



10.3780, 14.1067, 17.7987



16.9348, 14.1067, 18.2265

Square

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



10.3780, 14.1067, 17.7987



14.2345, 14.1067, 26.8488



16.9769, 14.1067, 13.1545



12.6141, 14.1067, 7.7291

Rectangle

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



10.3780, 14.1067, 17.7987



11.9674, 14.1067, 25.8253



16.9769, 14.1067, 13.1545



14.9598, 14.1067, 8.1899

Sweetspot

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



10.3784, 14.1072, 17.7990



24.8961, 28.4986, 32.9056



8.0609, 13.1928, 5.0277



5.8616, 6.7588, 7.8397



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



10.3784, 14.1072, 17.7990



17.4243, 24.6685, 31.5715



7.5475, 8.2630, 17.4174



3.7787, 4.1535, 4.6688



10.3199, 15.3419, 19.7723



50.2301, 74.7393, 96.0378

Inverse Universe

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



8.7666, 6.0809, 3.8441



14.2340, 8.7596, 3.9341



10.4792, 9.5752, 4.2019



3.6880, 3.7025, 3.8840



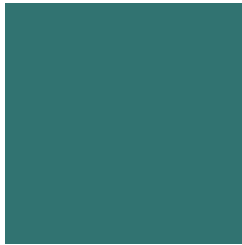
8.1031, 4.1750, 0.4853



39.4300, 20.3221, 2.0619

Previews

White Background



This preview shows how the XYZ color 10.3780, 14.1067, 17.7987 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 10.3780, 14.1067, 17.7987 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 10.3780, 14.1067, 17.7987

Background



This preview shows how black text looks on a background with the XYZ color 10.3780, 14.1067, 17.7987.



This preview shows how white text looks on a background with the XYZ color 10.3780, 14.1067,

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

10.3780, 14.1067, 17.7987

Protanopia

13.4957, 14.0054, 15.6277

Deuteranopia

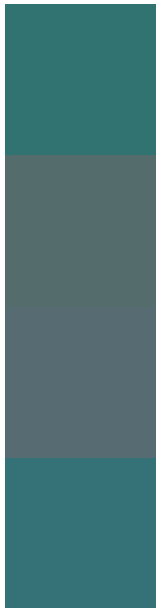
14.2104, 14.0149, 18.4792



Tritanopia

11.0607, 14.2216, 20.9010

Trichromacy



Original Color

10.3780, 14.1067, 17.7987

Protanomaly

11.8692, 13.7605, 16.4985

Deuteranomaly

12.2827, 13.7794, 18.2320

Tritanomaly

10.7633, 14.0966, 19.6064

Monochromacy



Original Color

10.3780, 14.1067, 17.7987

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.2915, 12.0818, 14.3600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3780, 14.1067, 17.7987 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(49, 115, 113)` looks like.

```
.text, #text, p{  
    color:rgb(49, 115, 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(49, 115, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 115, 113) }
```

Border

The CSS property to change the border of an element to XYZ 10.3780, 14.1067, 17.7987 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(49, 115, 113) }
```


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

```
.border{ border-color:rgb(49, 115, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 115, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 115, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 115, 113);  
box-shadow:4px 4px 4px 4px rgb(49, 115,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3780, 14.1067, 17.7987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 115, 113) }
```

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

```
.background{ background-color: rgb(49, 115,  
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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