

Converting Colors

XYZ(10.3782, 14.7372, 20.7099)

Have a look what the booklet for
XYZ(10.3782, 14.7372, 20.7099)
contains.

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Color

**XYZ(10.3782, 14.7372,
20.7099)**

Conversions

Conversions Part 1

Format	Color
Hex	13777A
RGB	19, 119, 122
RGB Percent	7%, 47%, 48%
CMY	0.9255, 0.5333, 0.5216
CMYK	0.84, 0.02, 0.00, 0.52
HSL	182°, 73%, 28%
HSV	182°, 84%, 48%
XYZ	10.3782, 14.7372, 20.7099
YIQ	89.4420, -60.5630, -20.2670

Conversions

Conversions Part 2

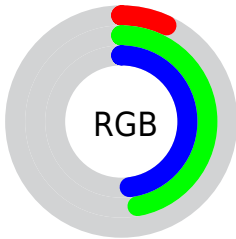
Format	Color
RYB	19, 70, 122
Decimal	1275770
CIELab	45.27, -25.12, -9.38
CIELCh	45, 26.815, 200.469
Yxy	14.7372, 0.2265, 0.3216
Android (android.graphics.Color)	4279465850 (0xFF13777A)
YUV	89.4420, 16.0511, -61.7776
Hunter-Lab	38.3891, -18.9247, -5.1131

Details

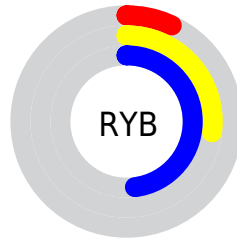
The XYZ color **10.3782, 14.7372, 20.7099** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.4308, 4.7588, 1.0907**, and the grayscale version is **9.5693, 10.0677, 10.9637**.

A 20% lighter version of the original color is **26.1388, 34.4923, 45.3244**, and **3.3928, 4.8614, 7.0628** is the 20% darker color. If you saturate the color by 10%, you get **10.1529, 14.5587, 20.6876**, and if you desaturate by 10%, it is **10.7237, 14.9785, 20.7385**.

Distribution



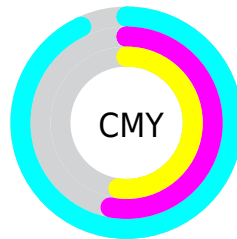
- Red (7%)
- Green (47%)
- Blue (48%)



- Red (7%)
- Yellow (27%)
- Blue (48%)



- Cyan (84%)
- Magenta (2%)
- Yellow (0%)
- Black (52%)



- Cyan (93%)
- Magenta (53%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3782, 14.7372, 20.7099 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 10.3782, 14.7372, 20.7099 by changing the saturation by 10% instead.

10.3782, 14.7372,
20.7099

10.3782, 14.7372,
20.7099

187.3482,
221.7700, 268.4630

5.7146, 8.6352,
12.7229

26.1477, 34.3915,
45.4787

2.7113, 4.5040,
7.1096

37.9844, 48.7125,
63.0977

1.0030, 1.9593,
3.4512

52.9428, 66.5420,
84.7644

0.0000, 0.5837,
1.3294

71.3883, 88.2643,
110.8974

0.0000, 0.0000,
0.0857

93.6862, 114.2639,
141.9152

0.0000, 0.0000,
0.0000

120.2019,

144.9251, 178.2363

151.3008,
180.6323, 220.2794

■ 10.3782, 14.7372,
20.7099

■ 10.3782, 14.7372,
20.7099

■ 10.1529, 14.5587,
20.6876

■ 10.7237, 14.9785,
20.7385

■ 10.0442, 14.4678,
20.6758

■ 11.2083, 15.2914,
20.7734

■ 11.8466, 15.6839,
20.8155

■ 12.6509, 16.1621,
20.8654

■ 13.6323, 16.7319,
20.9237

■ 14.8010, 17.3984,
20.9907

■ 16.1663, 18.1665,
21.0670

■ 17.7370, 19.0408,
21.1530

■ 19.5212, 20.0254,
21.2490

Harmonies

Analogous

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



10.2068, 14.7372, 14.1068



10.3782, 14.7372, 20.7099



11.4633, 14.7372, 27.4363

Triad

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



10.3782, 14.7372, 20.7099



17.5625, 14.7372, 25.1481



14.7257, 14.7372, 6.7606

Complementary

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



10.3782, 14.7372, 20.7099



8.4308, 4.7588, 1.0907

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.



16.9022, 14.7372, 8.3465



10.3782, 14.7372, 20.7099



18.6504, 14.7372, 18.1558

Square

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



10.3782, 14.7372, 20.7099



15.5529, 14.7372, 30.4323



18.3968, 14.7372, 12.1413



12.5676, 14.7372, 7.1051

Rectangle

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



10.3782, 14.7372, 20.7099



12.6287, 14.7372, 30.5372



18.3968, 14.7372, 12.1413



15.4826, 14.7372, 7.0654

Sweetspot

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



10.3787, 14.7377, 20.7103



25.7781, 30.4607, 36.9138



7.3612, 14.1109, 3.0319



5.7571, 6.8870, 8.4326



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



10.3787, 14.7377, 20.7103



17.6528, 25.4173, 36.3685



5.8967, 5.7739, 19.2163



4.0975, 4.4934, 5.0945



10.5738, 15.2300, 21.7677



50.3244, 72.4215, 103.7962

Inverse Universe

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



11.5890, 5.9356, 17.9882



19.9111, 9.5956, 31.1550



10.4755, 8.8481, 1.7722



4.1497, 4.0756, 4.9859



11.9205, 5.7443, 18.6700



56.8046, 27.3782, 88.7559

Previews

White Background



This preview shows how the XYZ color 10.3782, 14.7372, 20.7099 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 10.3782, 14.7372, 20.7099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

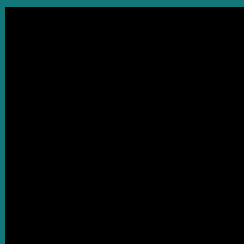
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

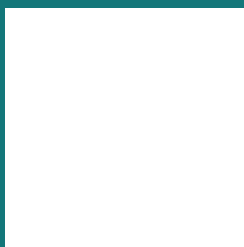
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.3782, 14.7372, 20.7099

Background



This preview shows how black text looks on a background with the XYZ color 10.3782, 14.7372, 20.7099.



This preview shows how white text looks on a background with the XYZ color 10.3782, 14.7372,

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

10.3782, 14.7372, 20.7099

Protanopia

14.1352, 14.5871, 17.9902

Deuteranopia

14.8363, 14.5694, 21.4323



Tritanopia

10.8007, 14.7350, 22.6970

Trichromacy



Original Color

10.3782, 14.7372, 20.7099

Protanomaly

11.7194, 14.1091, 18.9353

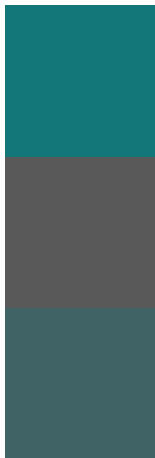
Deuteranomaly

12.0872, 13.9290, 21.1203

Tritanomaly

10.5977, 14.6454, 22.0069

Monochromacy



Original Color

10.3782, 14.7372, 20.7099

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.0205, 11.1439, 13.9875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3782, 14.7372, 20.7099 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(19, 119, 122)` looks like.

```
.text, #text, p{  
    color:rgb(19, 119, 122)  
}
```

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(19, 119, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 119, 122) }
```

Border

The CSS property to change the border of an element to XYZ 10.3782, 14.7372, 20.7099 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(19, 119, 122) }
```


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

```
.border{ border-color:rgb(19, 119, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 119, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 119, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 119, 122);  
box-shadow:4px 4px 4px 4px rgb(19, 119,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3782, 14.7372, 20.7099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 119, 122) }
```

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

```
.background{ background-color: rgb(19, 119,  
122) }
```

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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