

Converting Colors

XYZ(10.0437, 14.4080, 19.6844)

Have a look what the booklet for
XYZ(10.0437, 14.4080, 19.6844)
contains.

XYZ(10.0577, 14.4174, 19.7055)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(10.0577, 14.4174,
19.7055)**

Conversions

Conversions Part 1

Format	Color
Hex	127677
RGB	18, 118, 119
RGB Percent	7%, 46%, 47%
CMY	0.9294, 0.5372, 0.5333
CMYK	0.85, 0.01, 0.00, 0.53
HSL	181°, 74%, 27%
HSV	181°, 85%, 47%
XYZ	10.0577, 14.4174, 19.7055
YIQ	88.2140, -59.9210, -20.8890

Conversions

Conversions Part 2

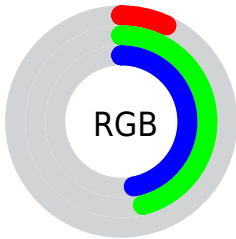
Format	Color
RYB	18, 68, 119
Decimal	1209975
CIELab	44.83, -25.68, -8.26
CIELCh	45, 26.978, 197.821
Yxy	14.4174, 0.2276, 0.3263
Android (android.graphics.Color)	4279400055 (0xFF127677)
YUV	88.2140, 15.1775, -61.5777
Hunter-Lab	37.9703, -19.1662, -4.1907

Details

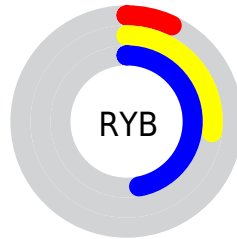
The XYZ color **10.0577, 14.4174, 19.7055** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.9502, 4.4318, 1.0092**, and the grayscale version is **9.3007, 9.7851, 10.6559**.

A 20% lighter version of the original color is **25.6599, 33.9974, 43.7378**, and **3.2655, 4.7112, 6.6985** is the 20% darker color. If you saturate the color by 10%, you get **9.8711, 14.3010, 19.6931**, and if you desaturate by 10%, it is **10.3552, 14.5917, 19.7237**.

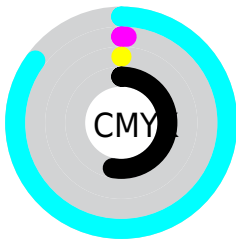
Distribution



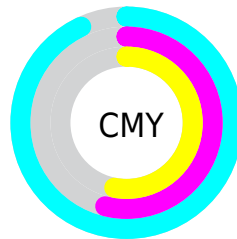
- Red (7%)
- Green (46%)
- Blue (47%)



- Red (7%)
- Yellow (27%)
- Blue (47%)



- Cyan (85%)
- Magenta (1%)
- Yellow (0%)
- Black (53%)



- Cyan (93%)
- Magenta (54%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0577, 14.4174, 19.7055 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 10.0577, 14.4174, 19.7055 by changing the saturation by 10% instead.

■ 10.0577, 14.4174,
19.7055

■ 10.0577, 14.4174,
19.7055

■ 185.1284,
219.8123, 262.8676

■ 5.4998, 8.4115,
11.9992

■ 25.5527, 33.8278,
43.7753

■ 2.5811, 4.3594,
6.6206

■ 37.2204, 48.0012,
60.9760

■ 0.9363, 1.8766,
3.1512

■ 51.9889, 65.6658,
82.1784

■ 0.0000, 0.5342,
1.1723

■ 70.2233, 87.2062,
107.8013

■ 0.0000, 0.0000,
0.0000

■ 92.2891, 113.0066,
138.2631

■ 118.5517,

143.4515, 173.9824

149.3763,
178.9252, 215.3777

■ 10.0577, 14.4174,
19.7055

■ 10.0577, 14.4174,
19.7055

■ 9.8711, 14.3010,
19.6931

■ 10.3552, 14.5917,
19.7237

■ 9.7875, 14.2473,
19.6872

■ 10.7834, 14.8330,
19.7477

■ 11.3560, 15.1489,
19.7785

■ 12.0847, 15.5452,
19.8166

■ 12.9800, 16.0274,
19.8625

■ 14.0514, 16.6005,
19.9167

■ 15.3078, 17.2689,
19.9795

■ 16.7573, 18.0369,
20.0513

■ 18.4078, 18.9086,
20.1326

Harmonies

Analogous

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



9.9703, 14.4174, 13.2785



10.0577, 14.4174, 19.7055



11.0547, 14.4174, 26.4963

Triad

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



10.0577, 14.4174, 19.7055



17.0833, 14.4174, 25.3187



14.6152, 14.4174, 6.5840

Complementary

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



10.0577, 14.4174, 19.7055



7.9502, 4.4318, 1.0092

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.



16.7444, 14.4174, 8.3229



10.0577, 14.4174, 19.7055



18.2682, 14.4174, 18.3951

Square

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



10.0577, 14.4174, 19.7055



15.0392, 14.4174, 30.2871



18.1380, 14.4174, 12.2745



12.4490, 14.4174, 6.7585

Rectangle

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



10.0577, 14.4174, 19.7055



12.1676, 14.4174, 29.8015



18.1380, 14.4174, 12.2745



15.3630, 14.4174, 6.9397

Sweetspot

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



10.0581, 14.4179, 19.7058



25.0024, 29.6414, 35.6567



6.9559, 13.3663, 2.7861



5.7898, 6.9523, 8.4435



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.



10.0581, 14.4179, 19.7058



17.5202, 25.5000, 35.2517



5.6773, 5.6564, 18.2456



3.7804, 4.1494, 4.6919



10.3981, 15.1359, 20.9160



50.6314, 73.6795, 101.9133

Inverse Universe

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



11.0945, 5.6630, 17.6484



19.4571, 9.3566, 31.3573



9.8150, 8.1614, 1.6308



3.8252, 3.7573, 4.6060



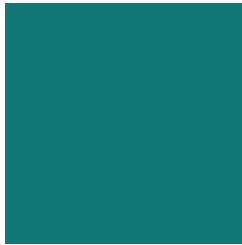
11.5456, 5.5520, 18.6132



56.2432, 27.0474, 90.5987

Previews

White Background



This preview shows how the XYZ color 10.0577, 14.4174, 19.7055 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 10.0577, 14.4174, 19.7055 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 10.0577, 14.4174, 19.7055

Background



This preview shows how black text looks on a background with the XYZ color 10.0577, 14.4174, 19.7055.

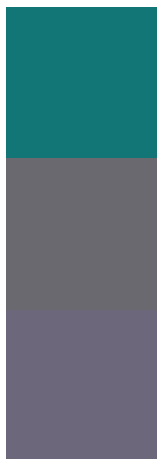


This preview shows how white text looks on a background with the XYZ color 10.0577, 14.4174,

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

10.0577, 14.4174, 19.7055

Protanopia

13.8647, 14.3150, 17.0713

Deuteranopia

14.5474, 14.2938, 20.4046



Tritanopia

10.5532, 14.4485, 21.9713

Trichromacy



Original Color

10.0577, 14.4174, 19.7055

Protanomaly

11.4372, 13.8226, 17.9848

Deuteranomaly

11.7154, 13.6015, 20.0970

Tritanomaly

10.2898, 14.3348, 20.9635

Monochromacy



Original Color

10.0577, 14.4174, 19.7055

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

8.7639, 10.8813, 13.4428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0577, 14.4174, 19.7055 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(18, 118, 119)` looks like.

```
.text, #text, p{  
    color:rgb(18, 118, 119)  
}
```

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(18, 118, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 118, 119) }
```

Border

The CSS property to change the border of an element to XYZ 10.0577, 14.4174, 19.7055 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(18, 118, 119) }
```


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

```
.border{ border-color:rgb(18, 118, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 118, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 118, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 118, 119);  
box-shadow:4px 4px 4px 4px rgb(18, 118,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0577, 14.4174, 19.7055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 118, 119) }
```

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

```
.background{ background-color: rgb(18, 118,  
119) }
```

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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