

Converting Colors

XYZ(17.4117, 24.5100, 37.5320)

Have a look what the booklet for
XYZ(17.4117, 24.5100, 37.5320)
contains.

XYZ(17.3519, 24.3924, 37.5119)	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(17.3519, 24.3924,
37.5119)**

Conversions

Conversions Part 1

Format	Color
Hex	0196A1
RGB	1, 150, 161
RGB Percent	0%, 59%, 63%
CMY	0.9960, 0.4118, 0.3686
CMYK	0.99, 0.07, 0.00, 0.37
HSL	184°, 99%, 32%
HSV	184°, 99%, 63%
XYZ	17.3519, 24.3924, 37.5119
YIQ	106.7030, -92.3350, -28.1670

Conversions

Conversions Part 2

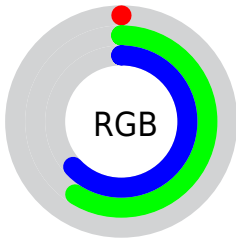
Format	Color
RYB	1, 78, 161
Decimal	104097
CIELab	56.48, -28.76, -15.24
CIELCh	56, 32.553, 207.920
Yxy	24.3924, 0.2189, 0.3078
Android (android.graphics.Color)	4278294177 (0xFF0196A1)
YUV	106.7030, 26.7684, -92.7015
Hunter-Lab	49.3887, -23.7171, -10.4601

Details

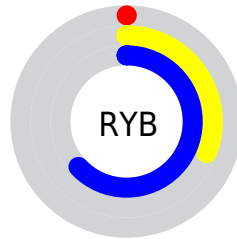
The XYZ color **17.3519, 24.3924, 37.5119** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.8355, 7.8430, 0.7614**, and the grayscale version is **13.8421, 14.5629, 15.8590**.

A 20% lighter version of the original color is **38.6396, 50.8958, 72.7531**, and **7.2222, 10.0278, 16.0229** is the 20% darker color. If you saturate the color by 10%, you get **17.3286, 24.3642, 37.5081**, and if you desaturate by 10%, it is **17.7507, 24.8620, 37.5820**.

Distribution



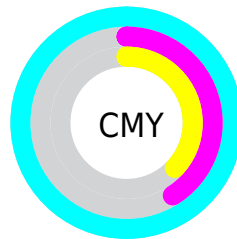
- Red (0%)
- Green (59%)
- Blue (63%)



- Red (0%)
- Yellow (31%)
- Blue (63%)



- Cyan (99%)
- Magenta (7%)
- Yellow (0%)
- Black (37%)



- Cyan (100%)
- Magenta (41%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3519, 24.3924, 37.5119 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 17.3519, 24.3924, 37.5119 by changing the saturation by 10% instead.

■ 17.3519, 24.3924,
37.5119

■ 17.3519, 24.3924,
37.5119

■ 230.3091,
274.7984, 350.7567

■ 10.5826, 15.6250,
25.3052

■ 38.4686, 50.6698,
72.5545

■ 5.8521, 9.2592,
16.0835

■ 53.5467, 68.9485,
96.2275

■ 2.7952, 4.9106,
9.4283

■ 72.1251, 91.1665,
124.5596

■ 1.0464, 2.1949,
4.9210

■ 94.5692, 117.7080,
157.9694

■ 0.0000, 0.7172,
2.1430

■ 121.2443,
148.9576, 196.8755

■ 0.0000, 0.0000,
0.6412

■ 152.5157,

■ 0.0000, 0.0000,

185.2996, 241.6964

0.0000

188.7489,
227.1184, 292.8506

■ 17.3519, 24.3924,
37.5119

■ 17.3519, 24.3924,
37.5119

■ 17.3286, 24.3642,
37.5081

■ 17.7507, 24.8620,
37.5820

■ 18.3309, 25.4270,
37.6605

■ 19.1597, 26.1227,
37.7511

■ 20.2681, 26.9651,
37.8552

■ 21.6826, 27.9677,
37.9742

■ 23.4267, 29.1428,
38.1091

■ 25.5214, 30.5011,
38.2609

■ 27.9862, 32.0527,
38.4305

■ 30.8388, 33.8069,
38.6187

Harmonies

Analogous

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



16.6696, 24.3924, 25.8131



17.3519, 24.3924, 37.5119



19.5442, 24.3924, 48.3137

Triad

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



17.3519, 24.3924, 37.5119



29.8833, 24.3924, 39.1782



23.4482, 24.3924, 10.7480

Complementary

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



17.3519, 24.3924, 37.5119



14.8355, 7.8430, 0.7614

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.



27.2503, 24.3924, 12.5685



17.3519, 24.3924, 37.5119



31.2073, 24.3924, 27.3195

Square

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



17.3519, 24.3924, 37.5119



26.7461, 24.3924, 49.4448



30.1958, 24.3924, 17.9775



19.9535, 24.3924, 12.1166

Rectangle

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



17.3519, 24.3924, 37.5119



21.7004, 24.3924, 52.4651



30.1958, 24.3924, 17.9775



24.7342, 24.3924, 10.9938

Sweetspot

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



17.3527, 24.3933, 37.5125



45.2214, 54.3142, 68.4868



12.8224, 25.5225, 4.5885



9.5831, 11.6962, 14.9962



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



17.3527, 24.3933, 37.5125



30.9743, 43.5149, 67.1532



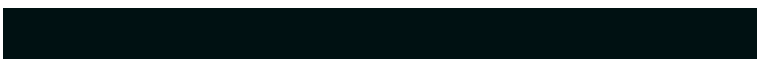
8.6580, 7.0039, 34.6143



7.2342, 7.9275, 9.0519



13.8517, 19.4828, 29.9603



0.3026, 0.4325, 0.6334

Inverse Universe

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



20.2145, 9.8015, 29.6816



36.1419, 17.4975, 52.9386



18.5031, 15.1781, 1.9839



7.3432, 7.1937, 8.7937



16.1372, 7.8109, 23.7107



0.3449, 0.1665, 0.5289

Previews

White Background



This preview shows how the XYZ color 17.3519, 24.3924, 37.5119 looks on a white 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

Black Background



This preview shows how the XYZ color 17.3519, 24.3924, 37.5119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

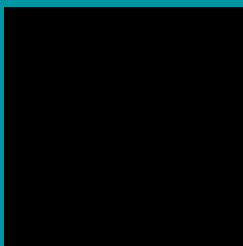
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

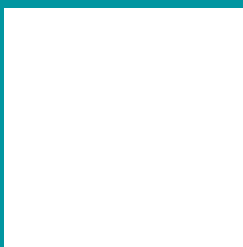
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.3519, 24.3924, 37.5119

Background



This preview shows how black text looks on a background with the XYZ color 17.3519, 24.3924, 37.5119.

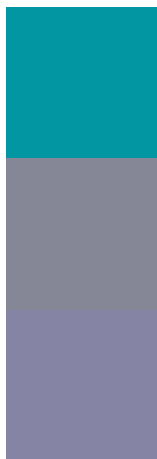


This preview shows how white text looks on a background with the XYZ color 17.3519, 24.3924,

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

17.3519, 24.3924, 37.5119

Protanopia

23.7030, 24.2387, 32.2834

Deuteranopia

24.7157, 24.2057, 38.9668



Tritanopia

17.5531, 24.4859, 37.9835

Trichromacy



Original Color

17.3519, 24.3924, 37.5119

Protanomaly

18.9571, 23.0206, 34.0161

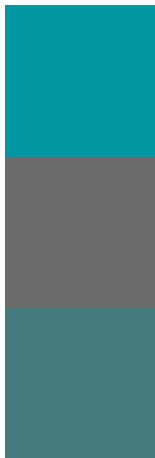
Deuteranomaly

19.6798, 23.0769, 38.5390

Tritanomaly

17.5156, 24.4665, 37.9818

Monochromacy



Original Color

17.3519, 24.3924, 37.5119

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.2976, 16.9272, 22.6451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3519, 24.3924, 37.5119 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(1, 150, 161)` looks like.

```
.text, #text, p{  
    color:rgb(1, 150, 161)  
}
```

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(1, 150, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 150, 161) }
```

Border

The CSS property to change the border of an element to XYZ 17.3519, 24.3924, 37.5119 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(1, 150, 161) }
```


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

```
.border{ border-color:rgb(1, 150, 161) }
```

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

Here you see how a box with a 4 pixel rgb(1, 150, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 150, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 150, 161);  
box-shadow:4px 4px 4px 4px rgb(1, 150,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3519, 24.3924, 37.5119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 150, 161) }
```

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

```
.background{ background-color: rgb(1, 150,  
161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor