

Converting Colors

XYZ(17.4932, 24.3803, 38.5282)

Have a look what the booklet for
XYZ(17.4932, 24.3803, 38.5282)
contains.

XYZ(17.5172, 24.4570, 38.4478)	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(17.5172, 24.4570,
38.4478)**

Conversions

Conversions Part 1

Format	Color
Hex	0096A3
RGB	0, 150, 163
RGB Percent	0%, 59%, 64%
CMY	0.9999, 0.4118, 0.3608
CMYK	1.00, 0.08, 0.00, 0.36
HSL	185°, 100%, 32%
HSV	185°, 100%, 64%
XYZ	17.5172, 24.4570, 38.4478
YIQ	106.6320, -93.5730, -27.7570

Conversions

Conversions Part 2

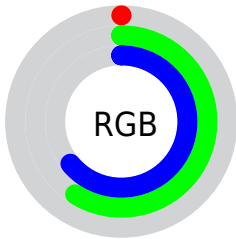
Format	Color
RYB	0, 78, 163
Decimal	38563
CIELab	56.54, -28.14, -16.29
CIELCh	57, 32.516, 210.063
Yxy	24.4570, 0.2178, 0.3041
Android (android.graphics.Color)	4278228643 (0xFF0096A3)
YUV	106.6320, 27.7894, -93.5163
Hunter-Lab	49.4540, -23.3177, -11.4769

Details

The XYZ color **17.5172, 24.4570, 38.4478** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.2489, 8.0753, 0.7558**, and the grayscale version is **13.8202, 14.5399, 15.8340**.

A 20% lighter version of the original color is **38.8998, 50.9999, 74.1234**, and **7.3311, 10.0714, 16.5965** is the 20% darker color. If you saturate the color by 10%, you get **17.5173, 24.4570, 38.4483**, and if you desaturate by 10%, it is **17.9456, 24.9880, 38.5282**.

Distribution



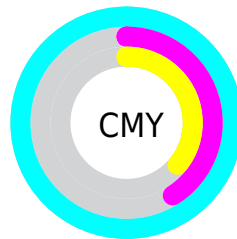
- Red (0%)
- Green (59%)
- Blue (64%)



- Red (0%)
- Yellow (31%)
- Blue (64%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (36%)



- Cyan (100%)
- Magenta (41%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5172, 24.4570, 38.4478 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 17.5172, 24.4570, 38.4478 by changing the saturation by 10% instead.

■ 17.5172, 24.4570,
38.4478

■ 17.5172, 24.4570,
38.4478

231.2341,
275.1228, 354.8926

■ 10.7015, 15.6730,
26.0259

■ 38.7495, 50.7749,
74.0050

■ 5.9323, 9.2930,
16.6171

■ 53.8968, 69.0776,
97.9774

■ 2.8442, 4.9328,
9.8028

■ 72.5520, 91.3220,
126.6370

■ 1.0719, 2.2079,
5.1645

■ 95.0804, 117.8925,
160.4024

■ 0.0014, 0.7243,
2.2837

■ 121.8475,
149.1734, 199.6921

■ 0.0000, 0.0000,
0.7221

■ 153.2186,

■ 0.0000, 0.0000,

185.5491, 244.9247

0.0000

189.5590,
227.4042, 296.5187

■ 17.5172, 24.4570,
38.4478

■ 17.5172, 24.4570,
38.4478

■ 17.5173, 24.4570,
38.4483

■ 17.9456, 24.9880,
38.5282

■ 18.5526, 25.6141,
38.6170

■ 19.4136, 26.3746,
38.7184

■ 20.5612, 27.2862,
38.8339

■ 22.0228, 28.3632,
38.9648

■ 23.8228, 29.6181,
39.1121

■ 25.9831, 31.0622,
39.2770

■ 28.5237, 32.7058,
39.4603

■ 31.4632, 34.5587,
39.6630

Harmonies

Analogous

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



16.7217, 24.4570, 26.6525



17.5172, 24.4570, 38.4478



19.8112, 24.4570, 48.9868

Triad

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



17.5172, 24.4570, 38.4478



30.1134, 24.4570, 38.3970



23.2376, 24.4570, 10.7920

Complementary

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



17.5172, 24.4570, 38.4478



15.2489, 8.0753, 0.7558

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.



27.0557, 24.4570, 12.3817



17.5172, 24.4570, 38.4478



31.2779, 24.4570, 26.6066

Square

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



17.5172, 24.4570, 38.4478



27.0711, 24.4570, 48.9523



30.1038, 24.4570, 17.5213



19.7987, 24.4570, 12.3955

Rectangle

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



17.5172, 24.4570, 38.4478



22.0166, 24.4570, 52.7729



30.1038, 24.4570, 17.5213



24.5196, 24.4570, 10.9635

Sweetspot

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



17.5180, 24.4579, 38.4484



46.2929, 55.4712, 70.3232



13.1575, 26.2189, 4.6807



10.0339, 12.2178, 15.7670



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



17.5180, 24.4579, 38.4484



31.3028, 43.6622, 68.8339



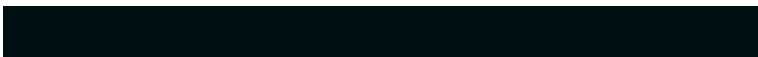
8.8424, 7.1066, 35.5565



7.2276, 7.9141, 9.0497



13.6294, 19.0381, 29.8862



0.2996, 0.4265, 0.6324

Inverse Universe

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



20.6100, 9.9893, 29.6969



36.8747, 17.8747, 52.9991



18.9648, 15.5069, 1.9944



7.3398, 7.1924, 8.7760



16.0249, 7.7660, 23.1197



0.3434, 0.1659, 0.5210

Previews

White Background



This preview shows how the XYZ color 17.5172, 24.4570, 38.4478 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 17.5172, 24.4570, 38.4478 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 17.5172, 24.4570, 38.4478

Background



This preview shows how black text looks on a background with the XYZ color 17.5172, 24.4570, 38.4478.

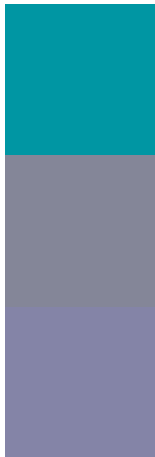


This preview shows how white text looks on a background with the XYZ color 17.5172, 24.4570,

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

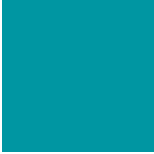
17.5172, 24.4570, 38.4478

Protanopia

23.7083, 24.2227, 33.1317

Deuteranopia

24.7420, 24.1981, 39.9259



Tritanopia

17.4279, 24.4213, 37.9777

Trichromacy



Original Color

17.5172, 24.4570, 38.4478

Protanomaly

19.0350, 23.0413, 34.8967

Deuteranomaly

19.7717, 23.1032, 39.4937

Tritanomaly

17.4279, 24.4213, 37.9777

Monochromacy



Original Color

17.5172, 24.4570, 38.4478

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 17.5172, 24.4570, 38.4478 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(0, 150, 163)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 163)  
}
```

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(0, 150, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 163) }
```

Border

The CSS property to change the border of an element to XYZ 17.5172, 24.4570, 38.4478 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(0, 150, 163) }
```


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

```
.border{ border-color:rgb(0, 150, 163) }
```

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

Here you see how a box with a 4 pixel rgb(0, 150, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 163);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5172, 24.4570, 38.4478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 163) }
```

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

```
.background{ background-color: rgb(0, 150,  
163) }
```

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