

Converting Colors

XYZ(19.3589, 27.7418, 40.2906)

Have a look what the booklet for
XYZ(19.3589, 27.7418, 40.2906)
contains.

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Color

**XYZ(19.4537, 27.8948,
40.4353)**

Conversions

Conversions Part 1

Format	Color
Hex	00A0A6
RGB	0, 160, 166
RGB Percent	0%, 63%, 65%
CMY	0.9999, 0.3725, 0.3490
CMYK	1.00, 0.04, 0.00, 0.35
HSL	182°, 100%, 33%
HSV	182°, 100%, 65%
XYZ	19.4537, 27.8948, 40.4353
YIQ	112.8440, -97.2860, -32.0540

Conversions

Conversions Part 2

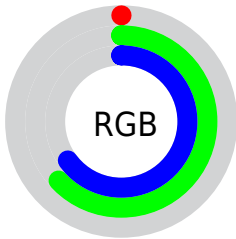
Format	Color
RYB	0, 81, 166
Decimal	41126
CIELab	59.79, -32.03, -13.08
CIELCh	60, 34.601, 202.209
Yxy	27.8948, 0.2216, 0.3178
Android (android.graphics.Color)	4278231206 (0xFF00A0A6)
YUV	112.8440, 26.2059, -98.9642
Hunter-Lab	52.8155, -26.6797, -8.4213




Details

The XYZ color **19.4537, 27.8948, 40.4353** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.7916, 8.2379, 0.7585**, and the grayscale version is **15.5978, 16.4101, 17.8706**.




A 20% lighter version of the original color is **41.9677, 56.2010, 77.0426**, and **8.3998, 11.9400, 17.7815** is the 20% darker color. If you saturate the color by 10%, you get **19.4541, 27.8954, 40.4359**, and if you desaturate by 10%, it is **19.7830, 28.2199, 40.4812**.

Distribution







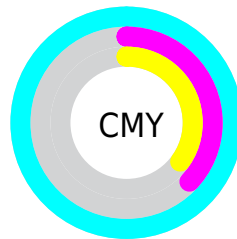
-  Red (0%)
-  Green (63%)
-  Blue (65%)






-  Red (0%)
-  Yellow (32%)
-  Blue (65%)



-  Cyan (100%)
-  Magenta (4%)
-  Yellow (0%)
-  Black (35%)



-  Cyan (100%)
-  Magenta (37%)
-  Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4537, 27.8948, 40.4353 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 19.4537, 27.8948, 40.4353 by changing the saturation by 10% instead.

■ 19.4537, 27.8948,
40.4353

■ 19.4537, 27.8948,
40.4353

■ 241.8324,
291.9639, 363.5614

■ 12.1045, 18.2464,
27.5617

■ 42.0103, 56.3164,
77.0702

■ 6.8876, 11.1270,
17.7594

■ 57.9485, 75.8584,
101.6687

■ 3.4376, 6.1523,
10.6097

■ 77.4803, 99.4671,
131.0125

■ 1.3892, 2.9379,
5.6942

■ 100.9712,
127.5268, 165.5203

■ 0.2485, 1.0994,
2.5943

■ 128.7865,
160.4219, 205.6105

■ 0.0000, 0.0000,
0.8895

■ 161.2916,

■ 0.0000, 0.0000,

198.5369, 251.7018

0.0000

198.8518,
242.2561, 304.2125

■ 19.4537, 27.8948,
40.4353

■ 19.4537, 27.8948,
40.4353

■ 19.4541, 27.8954,
40.4359

■ 19.7830, 28.2199,
40.4812

■ 20.2977, 28.6408,
40.5353

■ 21.0753, 29.1979,
40.6019

■ 22.1498, 29.9089,
40.6825

■ 23.5501, 30.7885,
40.7785

■ 25.3015, 31.8499,
40.8910

■ 27.4271, 33.1050,
41.0212

■ 29.9477, 34.5644,
41.1701

■ 32.8829, 36.2384,
41.3385

Harmonies

Analogous

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



19.0119, 27.8948, 27.2182



19.4537, 27.8948, 40.4353



21.6788, 27.8948, 53.7062

Triad

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



19.4537, 27.8948, 40.4353



33.7432, 27.8948, 47.6854



27.6716, 27.8948, 12.1915

Complementary

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



19.4537, 27.8948, 40.4353



15.7916, 8.2379, 0.7585

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.



32.0177, 27.8948, 15.0180



19.4537, 27.8948, 40.4353



35.7661, 27.8948, 33.7620

Square

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



19.4537, 27.8948, 40.4353



29.8266, 27.8948, 58.6320



35.1021, 27.8948, 22.1355



23.4547, 27.8948, 13.0644

Rectangle

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



19.4537, 27.8948, 40.4353



24.0216, 27.8948, 59.6238



35.1021, 27.8948, 22.1355



29.1713, 27.8948, 12.7052

Sweetspot

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



19.4546, 27.8958, 40.4360



49.5373, 59.9415, 74.4342



13.6672, 27.2852, 4.7058



10.7201, 13.1991, 16.6348



80.6108, 84.8088, 92.3568



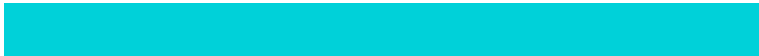
14.7206, 15.4872, 16.8656

Same Dimension

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



19.4546, 27.8958, 40.4360



35.2718, 50.5566, 73.3747



9.5709, 8.1286, 37.1414



7.7240, 8.4849, 9.6490



15.0931, 21.6464, 31.3582



0.3741, 0.5404, 0.7652

Inverse Universe

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



22.0717, 10.6458, 34.1504



40.0393, 19.3127, 61.8847



19.2609, 15.1764, 1.9149



7.8300, 7.6619, 9.4221



17.1189, 8.2563, 26.5014



0.4200, 0.2023, 0.6631

Previews

White Background



This preview shows how the XYZ color 19.4537, 27.8948, 40.4353 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 19.4537, 27.8948, 40.4353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

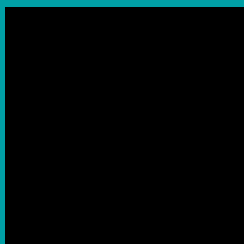
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

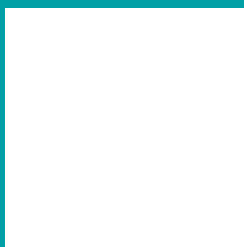
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.4537, 27.8948, 40.4353

Background



This preview shows how black text looks on a background with the XYZ color 19.4537, 27.8948, 40.4353.

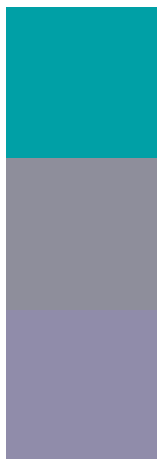


This preview shows how white text looks on a background with the XYZ color 19.4537, 27.8948,

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

19.4537, 27.8948, 40.4353

Protanopia

26.7447, 27.4633, 34.9017

Deuteranopia

28.1354, 27.5877, 41.8723



Tritanopia

20.1754, 27.9454, 43.3604

Trichromacy



Original Color

19.4537, 27.8948, 40.4353

Protanomaly

21.2219, 26.1718, 36.7340

Deuteranomaly

22.0088, 26.0073, 41.3960

Tritanomaly

19.8349, 27.7919, 42.3492

Monochromacy



Original Color

19.4537, 27.8948, 40.4353

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.8200, 19.0089, 24.7178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4537, 27.8948, 40.4353 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, 160, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 166)  
}
```

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, 160, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 166) }
```

Border

The CSS property to change the border of an element to XYZ 19.4537, 27.8948, 40.4353 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, 160, 166) }
```


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

```
.border{ border-color:rgb(0, 160, 166) }
```

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

Here you see how a box with a 4 pixel rgb(0, 160, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4537, 27.8948, 40.4353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 166) }
```

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

```
.background{ background-color: rgb(0, 160,  
166) }
```

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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