

Converting Colors

XYZ(19.6447, 27.9359, 41.5493)

Have a look what the booklet for
XYZ(19.6447, 27.9359, 41.5493)
contains.

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Color

**XYZ(19.6387, 27.9688,
41.4092)**

Conversions

Conversions Part 1

Format	Color
Hex	00A0A8
RGB	0, 160, 168
RGB Percent	0%, 63%, 66%
CMY	0.9999, 0.3725, 0.3412
CMYK	1.00, 0.05, 0.00, 0.34
HSL	183°, 100%, 33%
HSV	183°, 100%, 66%
XYZ	19.6387, 27.9688, 41.4092
YIQ	113.0720, -97.9280, -31.4320

Conversions

Conversions Part 2

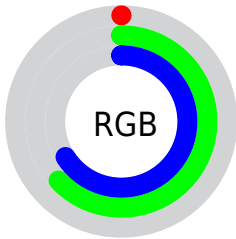
Format	Color
RYB	0, 82, 168
Decimal	41128
CIELab	59.86, -31.39, -14.11
CIElCh	60, 34.416, 204.201
Yxy	27.9688, 0.2206, 0.3142
Android (android.graphics.Color)	4278231208 (0xFF00A0A8)
YUV	113.0720, 27.0795, -99.1641
Hunter-Lab	52.8855, -26.2649, -9.4040

Details

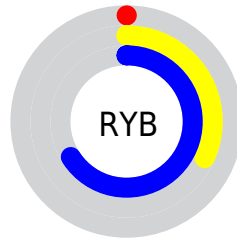
The XYZ color **19.6387, 27.9688, 41.4092** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.2360, 8.4993, 0.7857**, and the grayscale version is **15.6634, 16.4791, 17.9457**.

A 20% lighter version of the original color is **42.2358, 56.3083, 78.4546**, and **8.5149, 11.9861, 18.3878** is the 20% darker color. If you saturate the color by 10%, you get **19.6390, 27.9691, 41.4098**, and if you desaturate by 10%, it is **20.0065, 28.3655, 41.4669**.

Distribution



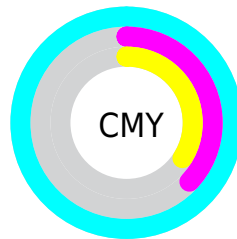
- Red (0%)
- Green (63%)
- Blue (66%)



- Red (0%)
- Yellow (32%)
- Blue (66%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (34%)





- Cyan (100%)
- Magenta (37%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.6387, 27.9688, 41.4092 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 19.6387, 27.9688, 41.4092 by changing the saturation by 10% instead.


 19.6387, 27.9688,
41.4092


 19.6387, 27.9688,
41.4092


242.8234,
292.3178, 367.7551


 12.2394, 18.3021,
28.3169

 42.3192, 56.4346,
78.5651


 6.9803, 11.1671,
18.3235


 58.3311, 76.0026,
103.4657

 3.4960, 6.1794,
11.0107


 77.9446, 99.6398,
133.1395

 1.4212, 2.9544,
5.9598

 101.5251,
127.7306, 168.0051

 0.2712, 1.1080,
2.7522

 129.4378,
160.6594, 208.4808

 0.0000, 0.0000,
0.9696

 162.0482,

 0.0000, 0.0000,

198.8106, 254.9854

0.0000

199.7216,
242.5686, 307.9373

■ 19.6387, 27.9688,
41.4092

■ 19.6387, 27.9688,
41.4092

■ 19.6390, 27.9691,
41.4098

■ 20.0065, 28.3655,
41.4669

■ 20.5659, 28.8618,
41.5332

■ 21.3960, 29.4989,
41.6125

■ 22.5317, 30.2950,
41.7062

■ 24.0027, 31.2652,
41.8160

■ 25.8354, 32.4232,
41.9429

■ 28.0532, 33.7810,
42.0881

■ 30.6778, 35.3500,
42.2526

■ 33.7292, 37.1403,
42.4373

Harmonies

Analogous

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



19.0764, 27.9688, 28.0882



19.6387, 27.9688, 41.4092



21.9695, 27.9688, 54.4085

Triad

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



19.6387, 27.9688, 41.4092



33.9894, 27.9688, 46.7908



27.4407, 27.9688, 12.2512

Complementary

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



19.6387, 27.9688, 41.4092



16.2360, 8.4993, 0.7857

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.



31.8021, 27.9688, 14.8205



19.6387, 27.9688, 41.4092



35.8396, 27.9688, 32.9476

Square

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



19.6387, 27.9688, 41.4092



30.1751, 27.9688, 58.0641



34.9984, 27.9688, 21.6233



23.2889, 27.9688, 13.3678

Rectangle

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



19.6387, 27.9688, 41.4092



24.3629, 27.9688, 59.9360



34.9984, 27.9688, 21.6233



28.9351, 27.9688, 12.6841

Sweetspot

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



19.6396, 27.9698, 41.4099



50.6578, 61.1498, 76.3582



14.0340, 28.0182, 4.8300



10.6723, 13.1036, 16.6189



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.



19.6396, 27.9698, 41.4099



35.5912, 50.6612, 75.1278



9.8224, 8.3355, 38.1375



7.7165, 8.4699, 9.6465



14.8412, 21.1426, 31.2742



0.3701, 0.5323, 0.7639

Inverse Universe

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



22.4944, 10.8637, 34.1701



40.7947, 19.7030, 61.8819



19.7726, 15.5725, 1.9645



7.8262, 7.6604, 9.4022



16.9918, 8.2054, 25.8319



0.4179, 0.2014, 0.6523

Previews

White Background



This preview shows how the XYZ color 19.6387, 27.9688, 41.4092 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 19.6387, 27.9688, 41.4092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

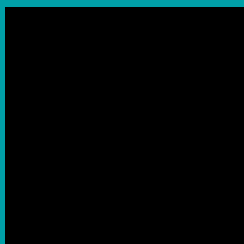
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

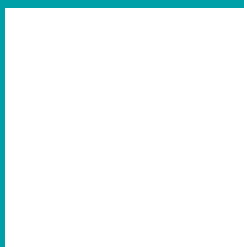
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.6387, 27.9688, 41.4092

Background



This preview shows how black text looks on a background with the XYZ color 19.6387, 27.9688, 41.4092.

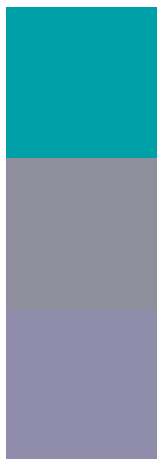


This preview shows how white text looks on a background with the XYZ color 19.6387, 27.9688,

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

19.6387, 27.9688, 41.4092

Protanopia

26.9141, 27.5311, 35.7938

Deuteranopia

28.1522, 27.5744, 42.8683



Tritanopia

20.1131, 27.9133, 43.3575

Trichromacy



Original Color

19.6387, 27.9688, 41.4092

Protanomaly

21.3969, 26.2418, 37.6556

Deuteranomaly

22.0988, 26.0319, 42.3880

Tritanomaly

19.9004, 27.8147, 42.8480

Monochromacy



Original Color

19.6387, 27.9688, 41.4092

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.8888, 19.0364, 25.0800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6387, 27.9688, 41.4092 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 168) }
```

Border

The CSS property to change the border of an element to XYZ 19.6387, 27.9688, 41.4092 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, 168) }
```


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

```
.border{ border-color:rgb(0, 160, 168) }
```

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, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6387, 27.9688, 41.4092 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, 168) }
```

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

```
.background{ background-color: rgb(0, 160,  
168) }
```

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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