

Converting Colors

XYZ(18.2119, 26.6207, 41.7670)

Have a look what the booklet for
XYZ(18.2119, 26.6207, 41.7670)
contains.

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Color

**XYZ(19.3883, 27.3183,
41.7872)**

Conversions

Conversions Part 1

Format	Color
Hex	009EA9
RGB	0, 158, 169
RGB Percent	0%, 62%, 66%
CMY	0.9999, 0.3804, 0.3373
CMYK	1.00, 0.07, 0.00, 0.34
HSL	184°, 100%, 33%
HSV	184°, 100%, 66%
XYZ	19.3883, 27.3183, 41.7872
YIQ	112.0120, -97.6990, -30.0750

Conversions

Conversions Part 2

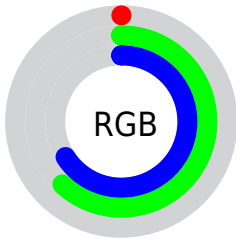
Format	Color
RYB	0, 82, 169
Decimal	40617
CIELab	59.27, -30.10, -15.57
CIELCh	59, 33.887, 207.353
Yxy	27.3183, 0.2191, 0.3087
Android (android.graphics.Color)	4278230697 (0xFF009EA9)
YUV	112.0120, 28.0951, -98.2345
Hunter-Lab	52.2669, -25.2529, -10.8153

Details

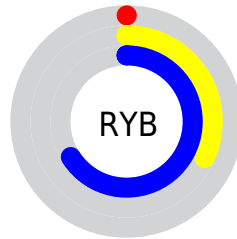
The XYZ color **19.3883, 27.3183, 41.7872** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.4826, 8.6752, 0.8066**, and the grayscale version is **15.3484, 16.1477, 17.5848**.

A 20% lighter version of the original color is **41.8649, 55.3500, 78.9981**, and **8.3649, 11.5924, 18.6263** is the 20% darker color. If you saturate the color by 10%, you get **19.3884, 27.3184, 41.7877**, and if you desaturate by 10%, it is **19.8072, 27.8146, 41.8614**.

Distribution



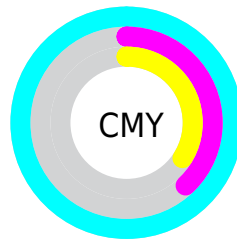
- Red (0%)
- Green (62%)
- Blue (66%)



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



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (34%)



- Cyan (100%)
- Magenta (38%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3883, 27.3183, 41.7872 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 19.3883, 27.3183, 41.7872 by changing the saturation by 10% instead.

■ 19.3883, 27.3183,
41.7872

■ 19.3883, 27.3183,
41.7872

241.4813,
289.1950, 369.3736

■ 12.0569, 17.8124,
28.6104

■ 41.9010, 55.3942,
79.1441

■ 6.8549, 10.8154,
18.5432

■ 57.8130, 74.7330,
104.1612

■ 3.4170, 5.9428,
11.1672

■ 77.3159, 98.1183,
133.9622

■ 1.3779, 2.8104,
6.0639

■ 100.7751,
125.9344, 168.9655

■ 0.2404, 1.0335,
2.8145

■ 128.5558,
158.5657, 209.5898

■ 0.0000, 0.0000,
1.0007

■ 161.0235,

■ 0.0000, 0.0000,

196.3967, 256.2536

0.0000

198.5436,
239.8116, 309.3753

■ 19.3883, 27.3183,
41.7872

■ 19.3883, 27.3183,
41.7872

■ 19.3884, 27.3184,
41.7877

■ 19.8072, 27.8146,
41.8614

■ 20.4216, 28.4137,
41.9447

■ 21.3111, 29.1570,
42.0413

■ 22.5111, 30.0631,
42.1529

■ 24.0521, 31.1473,
42.2810

■ 25.9604, 32.4235,
42.4267

■ 28.2601, 33.9039,
42.5913

■ 30.9732, 35.6000,
42.7757

■ 34.1198, 37.5222,
42.9808

Harmonies

Analogous

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



18.6562, 27.3183, 28.6816



19.3883, 27.3183, 41.7872



21.8186, 27.3183, 53.9953

Triad

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



19.3883, 27.3183, 41.7872



33.4362, 27.3183, 44.1695



26.3429, 27.3183, 12.0119

Complementary

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



19.3883, 27.3183, 41.7872



16.4826, 8.6752, 0.8066

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.



30.6065, 27.3183, 14.1225



19.3883, 27.3183, 41.7872



34.9704, 27.3183, 30.8343

Square

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



19.3883, 27.3183, 41.7872



29.8858, 27.3183, 55.6128



33.8830, 27.3183, 20.2718



22.4034, 27.3183, 13.4776

Rectangle

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



19.3883, 27.3183, 41.7872



24.2242, 27.3183, 58.7664



33.8830, 27.3183, 20.2718



27.7877, 27.3183, 12.3097

Sweetspot

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



19.3892, 27.3193, 41.7879



50.3640, 60.5621, 76.2603



14.2350, 28.3951, 4.9740



10.6000, 12.9590, 16.5948



80.6108, 84.8088, 92.3568



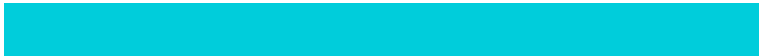
14.7206, 15.4872, 16.8656

Same Dimension

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



19.3892, 27.3193, 41.7879



34.6630, 48.8049, 74.8185



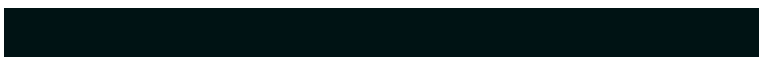
9.7510, 8.0430, 38.5751



7.7051, 8.4472, 9.6427



14.4650, 20.3903, 31.1488



0.3640, 0.5201, 0.7619

Inverse Universe

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



22.5345, 10.9045, 33.2658



40.3262, 19.5156, 59.4149



20.2738, 16.2577, 2.0704



7.8205, 7.6581, 9.3720



16.8019, 8.1295, 24.8320



0.4149, 0.2002, 0.6361

Previews

White Background



This preview shows how the XYZ color 19.3883, 27.3183, 41.7872 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 19.3883, 27.3183, 41.7872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

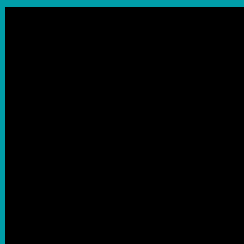
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

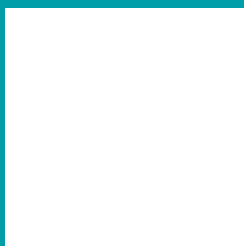
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.3883, 27.3183, 41.7872

Background



This preview shows how black text looks on a background with the XYZ color 19.3883, 27.3183, 41.7872.



This preview shows how white text looks on a background with the XYZ color 19.3883, 27.3183,

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

19.3883, 27.3183, 41.7872

Protanopia

26.5116, 27.0938, 36.1801

Deuteranopia

27.5907, 27.0578, 43.3037



Tritanopia

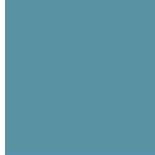
19.7292, 27.4722, 42.7909

Trichromacy



Original Color

19.3883, 27.3183, 41.7872



Protanomaly

21.0751, 25.5999, 38.0129



Deuteranomaly

21.8451, 25.6602, 42.8313



Tritanomaly

19.5827, 27.4076, 42.2883

Monochromacy



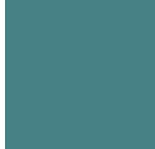
Original Color

19.3883, 27.3183, 41.7872



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

14.6824, 18.7336, 25.0324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3883, 27.3183, 41.7872 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, 158, 169)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 169)  
}
```

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, 158, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 169) }
```

Border

The CSS property to change the border of an element to XYZ 19.3883, 27.3183, 41.7872 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, 158, 169) }
```


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

```
.border{ border-color:rgb(0, 158, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 169);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3883, 27.3183, 41.7872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 169) }
```

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

```
.background{ background-color: rgb(0, 158,  
169) }
```

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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