

Converting Colors

XYZ(18.6575, 28.1233, 38.9988)

Have a look what the booklet for
XYZ(18.6575, 28.1233, 38.9988)
contains.

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Color

**XYZ(19.5312, 28.4850,
39.1191)**

Conversions

Conversions Part 1

Format	Color
Hex	00A2A3
RGB	0, 162, 163
RGB Percent	0%, 64%, 64%
CMY	0.9999, 0.3647, 0.3608
CMYK	1.00, 0.01, 0.00, 0.36
HSL	180°, 100%, 32%
HSV	180°, 100%, 64%
XYZ	19.5312, 28.4850, 39.1191
YIQ	113.6760, -96.8730, -34.0330

Conversions

Conversions Part 2

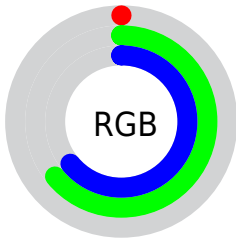
Format	Color
RYB	0, 81, 163
Decimal	41635
CIELab	60.32, -33.93, -10.59
CIELCh	60, 35.545, 197.328
Yxy	28.4850, 0.2241, 0.3269
Android (android.graphics.Color)	4278231715 (0xFF00A2A3)
YUV	113.6760, 24.3167, -99.6939
Hunter-Lab	53.3713, -28.0779, -6.0973

Details

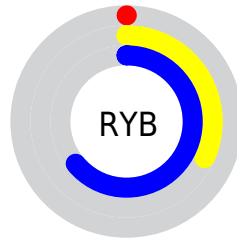
The XYZ color **19.5312, 28.4850, 39.1191** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.1158, 7.8090, 0.7114**, and the grayscale version is **15.8505, 16.6760, 18.1602**.

A 20% lighter version of the original color is **42.0838, 57.0673, 75.1267**, and **8.4452, 12.2996, 16.9679** is the 20% darker color. If you saturate the color by 10%, you get **19.5317, 28.4858, 39.1198**, and if you desaturate by 10%, it is **19.7687, 28.6342, 39.1359**.

Distribution



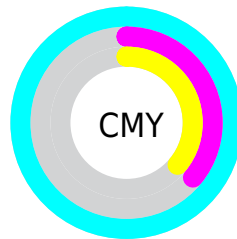
- Red (0%)
- Green (64%)
- Blue (64%)



- Red (0%)
- Yellow (32%)
- Blue (64%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (36%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5312, 28.4850, 39.1191 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 19.5312, 28.4850, 39.1191 by changing the saturation by 10% instead.

■ 19.5312, 28.4850,
39.1191

■ 19.5312, 28.4850,
39.1191

■ 242.2480,
294.7772, 357.8377

■ 12.1610, 18.6916,
26.5438

■ 42.1398, 57.2578,
75.0426

■ 6.9264, 11.4476,
17.0015

■ 58.1089, 77.0061,
99.2279

■ 3.4620, 6.3688,
10.0736

■ 77.6749, 100.8413,
128.1203

■ 1.4025, 3.0706,
5.3416

■ 101.2034,
129.1480, 162.1383

■ 0.2580, 1.1687,
2.3868

■ 129.0596,
162.3106, 201.7005

■ 0.0000, 0.0359,
0.7792

■ 161.6089,

■ 0.0000, 0.0000,

200.7134, 247.2255

0.0000

199.2165,
244.7408, 299.1317

■ 19.5312, 28.4850,
39.1191

■ 19.5312, 28.4850,
39.1191

■ 19.5317, 28.4858,
39.1198

■ 19.7687, 28.6342,
39.1359

■ 20.1823, 28.8736,
39.1603

■ 20.8478, 29.2428,
39.1965

■ 21.7974, 29.7585,
39.2460

■ 23.0588, 30.4350,
39.3101

■ 24.6562, 31.2848,
39.3899

■ 26.6116, 32.3191,
39.4865

■ 28.9450, 33.5482,
39.6008

■ 31.6749, 34.9819,
39.7336

Harmonies

Analogous

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



19.3832, 28.4850, 25.8222



19.5312, 28.4850, 39.1191



21.5510, 28.4850, 53.4065

Triad

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



19.5312, 28.4850, 39.1191



34.0524, 28.4850, 51.3592



29.0452, 28.4850, 12.3892

Complementary

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



19.5312, 28.4850, 39.1191



15.1158, 7.8090, 0.7114

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.



33.4684, 28.4850, 15.9636



19.5312, 28.4850, 39.1191



36.5701, 28.4850, 36.8618

Square

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



19.5312, 28.4850, 39.1191



29.7728, 28.4850, 61.7252



36.3451, 28.4850, 24.1159



24.5436, 28.4850, 12.6780

Rectangle

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



19.5312, 28.4850, 39.1191



23.8305, 28.4850, 60.4657



36.3451, 28.4850, 24.1159



30.5996, 28.4850, 13.1246

Sweetspot

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



19.5321, 28.4861, 39.1198



47.4395, 57.7644, 70.7054



13.0979, 26.1950, 4.3667



10.3246, 12.7992, 15.8639



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.



19.5321, 28.4861, 39.1198



34.9734, 51.0034, 70.0575



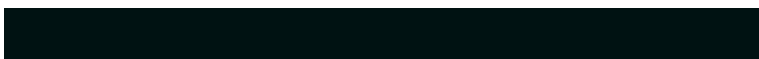
9.5922, 8.6063, 35.8065



7.2724, 8.0038, 9.0647



15.1808, 22.1411, 30.4033



0.3201, 0.4674, 0.6392

Inverse Universe

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



21.6266, 10.3960, 35.0503



38.7275, 18.6158, 62.7555



18.0855, 13.7484, 1.7013



7.3625, 7.2014, 8.8951



16.8080, 8.0793, 27.2435



0.3537, 0.1700, 0.5754

Previews

White Background



This preview shows how the XYZ color 19.5312, 28.4850, 39.1191 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 19.5312, 28.4850, 39.1191 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

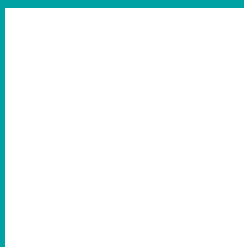
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.5312, 28.4850, 39.1191

Background



This preview shows how black text looks on a background with the XYZ color 19.5312, 28.4850, 39.1191.

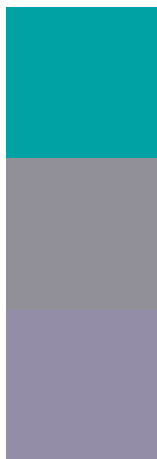


This preview shows how white text looks on a background with the XYZ color 19.5312, 28.4850,

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

19.5312, 28.4850, 39.1191

Protanopia

27.3178, 28.2333, 33.7155

Deuteranopia

28.8055, 28.1728, 40.9655



Tritanopia

20.5925, 28.4056, 43.9327

Trichromacy



Original Color

19.5312, 28.4850, 39.1191

Protanomaly

21.4810, 26.8088, 35.4949

Deuteranomaly

22.2465, 26.6277, 40.0435

Tritanomaly

20.1558, 28.4829, 41.9715

Monochromacy



Original Color

19.5312, 28.4850, 39.1191

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.0288, 19.3150, 24.7659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5312, 28.4850, 39.1191 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, 162, 163)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 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, 162, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 163) }
```

Border

The CSS property to change the border of an element to XYZ 19.5312, 28.4850, 39.1191 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, 162, 163) }
```


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

```
.border{ border-color:rgb(0, 162, 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, 162, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 163);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5312, 28.4850, 39.1191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 163) }
```

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

```
.background{ background-color: rgb(0, 162,  
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](#).

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