

Converting Colors

XYZ(18.9851, 28.0303, 36.9715)

Have a look what the booklet for
XYZ(18.9851, 28.0303, 36.9715)
contains.

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Color

**XYZ(18.9164, 27.9584,
36.7473)**

Conversions

Conversions Part 1

Format	Color
Hex	00A19E
RGB	0, 161, 158
RGB Percent	0%, 63%, 62%
CMY	0.9999, 0.3686, 0.3804
CMYK	1.00, 0.00, 0.02, 0.37
HSL	179°, 100%, 32%
HSV	179°, 100%, 63%
XYZ	18.9164, 27.9584, 36.7473
YIQ	112.5190, -94.9930, -35.0650

Conversions

Conversions Part 2

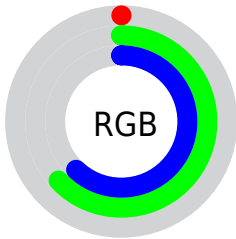
Format	Color
RYB	0, 81, 161
Decimal	41374
CIELab	59.85, -35.02, -8.47
CIELCh	60, 36.030, 193.595
Yxy	27.9584, 0.2262, 0.3343
Android (android.graphics.Color)	4278231454 (0xFF00A19E)
YUV	112.5190, 22.4221, -98.6792
Hunter-Lab	52.8757, -28.6737, -4.1921

Details

The XYZ color **18.9164, 27.9584, 36.7473** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.7152, 7.5844, 0.7751**, and the grayscale version is **15.5120, 16.3198, 17.7722**.

A 20% lighter version of the original color is **41.0803, 56.2430, 71.6416**, and **8.1225, 11.9988, 15.7978** is the 20% darker color. If you saturate the color by 10%, you get **18.9169, 27.9593, 36.7478**, and if you desaturate by 10%, it is **19.1586, 28.0809, 36.8943**.

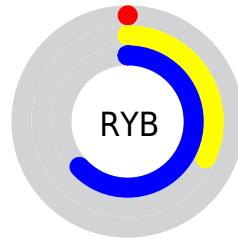
Distribution



Red (0%)

Green (63%)

Blue (62%)



Red (0%)

Yellow (32%)

Blue (63%)

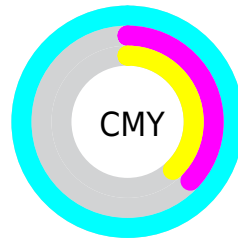


Cyan (100%)

Magenta (0%)

Yellow (2%)

Black (37%)



Cyan (100%)


Magenta (37%)


Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9164, 27.9584, 36.7473 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 18.9164, 27.9584, 36.7473 by changing the saturation by 10% instead.


 18.9164, 27.9584,
36.7473


 18.9164, 27.9584,
36.7473


238.9338,
292.2681, 347.3509


 11.7135, 18.2943,
24.7176


 41.1108, 56.4180,
71.3659


 6.6197, 11.1615,
15.6497


 56.8329, 75.9823,
94.7920


 3.2696, 6.1756,
9.1250


 76.1256, 99.6155,
122.8540

 1.2979, 2.9521,
4.7249

 99.3542, 127.7019,
155.9703

 0.1817, 1.1068,
2.0308

 126.8839,
160.6260, 194.5597

 0.0000, 0.0000,
0.5741

 159.0802,

 0.0000, 0.0000,

198.7721, 239.0405

0.0000

196.3084,
242.5247, 289.8314

■ 18.9164, 27.9584,
36.7473

■ 18.9164, 27.9584,
36.7473

■ 18.9169, 27.9593,
36.7478

■ 19.1586, 28.0809,
36.8943

■ 19.5714, 28.2907,
37.0490

■ 20.2289, 28.6267,
37.2155

■ 21.1628, 29.1050,
37.3953

■ 22.3995, 29.7396,
37.5895

■ 23.9628, 30.5425,
37.7994

■ 25.8739, 31.5246,
38.0259

■ 28.1521, 32.6961,
38.2699

■ 30.8157, 34.0661,
38.5322

Harmonies

Analogous

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



19.0055, 27.9584, 23.8744



18.9164, 27.9584, 36.7473



20.7053, 27.9584, 51.2963

Triad

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



18.9164, 27.9584, 36.7473



33.1036, 27.9584, 52.5419



29.1329, 27.9584, 12.1226

Complementary

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



18.9164, 27.9584, 36.7473



14.7152, 7.5844, 0.7751

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.



33.4576, 27.9584, 16.1796



18.9164, 27.9584, 36.7473



35.9237, 27.9584, 38.1153

Square

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



18.9164, 27.9584, 36.7473



28.6926, 27.9584, 62.0311



36.0602, 27.9584, 24.9026



24.5616, 27.9584, 11.9505

Rectangle

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



18.9164, 27.9584, 36.7473



22.8550, 27.9584, 58.9960



36.0602, 27.9584, 24.9026



30.6752, 27.9584, 13.0098

Sweetspot

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



18.9172, 27.9594, 36.7480



46.1216, 56.3456, 68.0746



12.8129, 25.5254, 4.2522



9.8056, 12.1983, 14.8940



76.7382, 80.7346, 87.9200



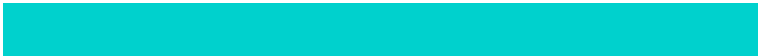
13.3056, 13.9985, 15.2444

Same Dimension

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



18.9172, 27.9594, 36.7480



33.8688, 50.0675, 65.7642



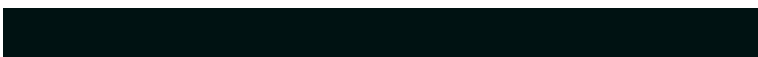
9.7515, 9.2095, 34.9831



7.2704, 8.0090, 9.0356



15.1097, 22.3302, 29.3577



0.3192, 0.4699, 0.6257

Inverse Universe

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



14.7152, 7.5844, 0.7751



26.3442, 13.5784, 1.3444



17.2245, 12.6293, 1.5305



7.0789, 7.0880, 7.4018



11.7537, 6.0575, 0.6276



0.2485, 0.1279, 0.0211

Previews

White Background



This preview shows how the XYZ color 18.9164, 27.9584, 36.7473 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 18.9164, 27.9584, 36.7473 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

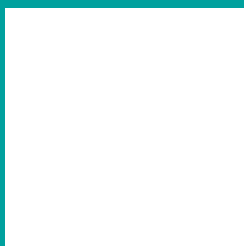
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.9164, 27.9584, 36.7473

Background



This preview shows how black text looks on a background with the XYZ color 18.9164, 27.9584, 36.7473.

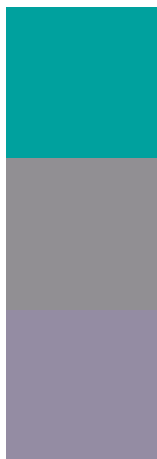


This preview shows how white text looks on a background with the XYZ color 18.9164, 27.9584,

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

18.9164, 27.9584, 36.7473

Protanopia

26.7660, 27.7712, 31.5534

Deuteranopia

28.2017, 27.6964, 38.5099



Tritanopia

20.4402, 28.0819, 43.3728

Trichromacy



Original Color

18.9164, 27.9584, 36.7473

Protanomaly

20.9059, 26.3224, 33.2570

Deuteranomaly

21.6390, 26.1327, 37.6218

Tritanomaly

19.8343, 28.0804, 40.9339

Monochromacy



Original Color

18.9164, 27.9584, 36.7473

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.6176, 18.9280, 23.6519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9164, 27.9584, 36.7473 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, 161, 158)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 158)  
}
```

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, 161, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 158) }
```

Border

The CSS property to change the border of an element to XYZ 18.9164, 27.9584, 36.7473 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, 161, 158) }
```


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

```
.border{ border-color:rgb(0, 161, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 158);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9164, 27.9584, 36.7473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 158) }
```

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

```
.background{ background-color: rgb(0, 161,  
158) }
```

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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