

Converting Colors

XYZ(6.0270, 21.4499, 33.4630)

Have a look what the booklet for
XYZ(6.0270, 21.4499, 33.4630)
contains.

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Color

**XYZ(18.4124, 27.7567,
34.0929)**

Conversions

Conversions Part 1

Format	Color
Hex	00A198
RGB	0, 161, 152
RGB Percent	0%, 63%, 60%
CMY	0.9999, 0.3686, 0.4039
CMYK	1.00, 0.00, 0.06, 0.37
HSL	177°, 100%, 32%
HSV	177°, 100%, 63%
XYZ	18.4124, 27.7567, 34.0929
YIQ	111.8350, -93.0670, -36.9310

Conversions

Conversions Part 2

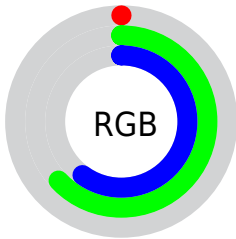
Format	Color
RYB	0, 83, 161
Decimal	41368
CIELab	59.67, -36.85, -5.35
CIELCh	60, 37.234, 188.257
Yxy	27.7567, 0.2294, 0.3458
Android (android.graphics.Color)	4278231448 (0xFF00A198)
YUV	111.8350, 19.8013, -98.0793
Hunter-Lab	52.6846, -29.8153, -1.4881

Details

The XYZ color **18.4124, 27.7567, 34.0929** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.7482, 7.5977, 0.9485**, and the grayscale version is **15.3190, 16.1168, 17.5512**.

A 20% lighter version of the original color is **40.1101, 55.8433, 67.0573**, and **7.8176, 11.8769, 14.1924** is the 20% darker color. If you saturate the color by 10%, you get **18.4127, 27.7575, 34.0928**, and if you desaturate by 10%, it is **18.7028, 27.8985, 34.4935**.

Distribution



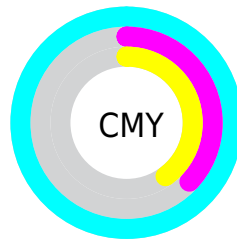
- Red (0%)
- Green (63%)
- Blue (60%)



- Red (0%)
- Yellow (33%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (37%)



- Cyan (100%)
- Magenta (37%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.4124, 27.7567, 34.0929 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 18.4124, 27.7567, 34.0929 by changing the saturation by 10% instead.


 18.4124, 27.7567,
34.0929


 18.4124, 27.7567,
34.0929


236.1863,
291.3025, 335.3279


 11.3480, 18.1423,
22.6870


 40.2634, 56.0958,
67.2137


 6.3704, 11.0522,
14.1595


 55.7807, 75.5893,
89.7656


 3.1144, 6.1020,
8.0916


 74.8462, 99.1446,
116.8701

 1.2145, 2.9072,
4.0650

 97.8255, 127.1461,
148.9455

 0.1178, 1.0835,
1.6611

 125.0837,
159.9783, 186.4104

 0.0000, 0.0000,
0.3339

 156.9864,

 0.0000, 0.0000,

198.0255, 229.6835

0.0000

193.8988,
241.6721, 279.1831

■ 18.4124, 27.7567,
34.0929

■ 18.4124, 27.7567,
34.0929

■ 18.4127, 27.7575,
34.0928

■ 18.7028, 27.8985,
34.4935

■ 19.1643, 28.1278,
34.9045

■ 19.8712, 28.4835,
35.3298

■ 20.8548, 28.9818,
35.7711

■ 22.1419, 29.6366,
36.2295

■ 23.7561, 30.4598,
36.7061

■ 25.7185, 31.4625,
37.2021

■ 28.0486, 32.6547,
37.7182

■ 30.7645, 34.0458,
38.2553

Harmonies

Analogous

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



18.8479, 27.7567, 21.6142



18.4124, 27.7567, 34.0929



19.9040, 27.7567, 49.2430

Triad

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



18.4124, 27.7567, 34.0929



32.3813, 27.7567, 55.4356



29.8726, 27.7567, 11.9955

Complementary

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



18.4124, 27.7567, 34.0929



14.7482, 7.5977, 0.9485

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.



34.1319, 27.7567, 16.8645



18.4124, 27.7567, 34.0929



35.6958, 27.7567, 40.8574

Square

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



18.4124, 27.7567, 34.0929



27.7009, 27.7567, 63.7445



36.3718, 27.7567, 26.6564



25.1055, 27.7567, 11.1660

Rectangle

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



18.4124, 27.7567, 34.0929



21.9081, 27.7567, 58.0013



36.3718, 27.7567, 26.6564



31.4267, 27.7567, 13.1255

Sweetspot

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



18.4132, 27.7577, 34.0936



45.8361, 56.2314, 66.5711



12.8803, 25.5601, 4.2556



9.7350, 12.1701, 14.5225



76.7382, 80.7346, 87.9200



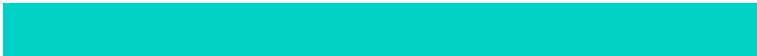
13.3056, 13.9985, 15.2444

Same Dimension

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



18.4132, 27.7577, 34.0936



32.9499, 49.7000, 60.9251



10.1959, 10.0980, 35.1310



7.2589, 8.0044, 8.9753



14.7103, 22.1705, 27.2547



0.3139, 0.4678, 0.5980

Inverse Universe

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



14.7482, 7.5977, 0.9485



26.3873, 13.5957, 1.5715



16.8753, 11.9308, 1.4143



7.0891, 7.0921, 7.4555



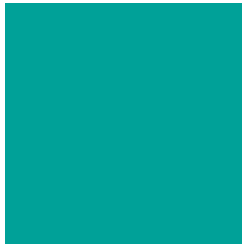
11.7834, 6.0694, 0.7838



0.2521, 0.1293, 0.0403

Previews

White Background



This preview shows how the XYZ color 18.4124, 27.7567, 34.0929 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 18.4124, 27.7567, 34.0929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

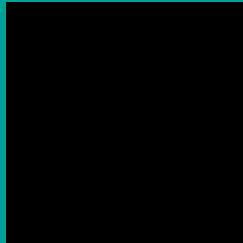
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

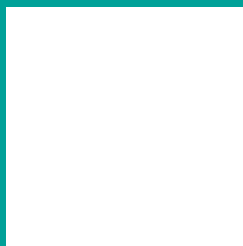
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4124, 27.7567, 34.0929

Background



This preview shows how black text looks on a background with the XYZ color 18.4124, 27.7567, 34.0929.

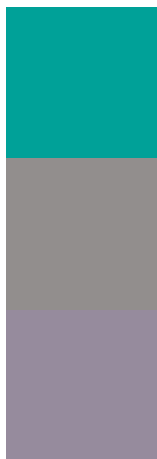


This preview shows how white text looks on a background with the XYZ color 18.4124, 27.7567,

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

18.4124, 27.7567, 34.0929

Protanopia

26.3348, 27.3801, 29.0962

Deuteranopia

27.8961, 27.3836, 35.7136



Tritanopia

20.3051, 27.7691, 42.8179

Trichromacy



Original Color

18.4124, 27.7567, 34.0929

Protanomaly

20.3725, 25.8664, 30.7070

Deuteranomaly

21.0694, 25.6669, 34.8541

Tritanomaly

19.4523, 27.6588, 39.4354

Monochromacy



Original Color

18.4124, 27.7567, 34.0929

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.4119, 18.8372, 22.9550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4124, 27.7567, 34.0929 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 152) }
```

Border

The CSS property to change the border of an element to XYZ 18.4124, 27.7567, 34.0929 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, 152) }
```


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

```
.border{ border-color:rgb(0, 161, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4124, 27.7567, 34.0929 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, 152) }
```

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

```
.background{ background-color: rgb(0, 161,  
152) }
```

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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