

Converting Colors

XYZ(18.6271, 31.4835, 23.9996)

Have a look what the booklet for
XYZ(18.6271, 31.4835, 23.9996)
contains.

XYZ(18.5817, 31.3424, 24.1391)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.5817, 31.3424,
24.1391)**

Conversions

Conversions Part 1

Format	Color
Hex	00AD7C
RGB	0, 173, 124
RGB Percent	0%, 68%, 49%
CMY	0.9999, 0.3216, 0.5137
CMYK	1.00, 0.00, 0.28, 0.32
HSL	163°, 100%, 34%
HSV	163°, 100%, 68%
XYZ	18.5817, 31.3424, 24.1391
YIQ	115.6870, -87.3790, -51.9150

Conversions

Conversions Part 2

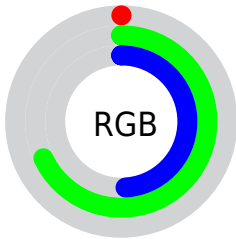
Format	Color
RYB	0, 101, 173
Decimal	44412
CIELab	62.80, -49.44, 14.81
CIELCh	63, 51.614, 163.327
Yxy	31.3424, 0.2509, 0.4232
Android (android.graphics.Color)	4278234492 (0xFF00AD7C)
YUV	115.6870, 4.0983, -101.4575
Hunter-Lab	55.9843, -38.7267, 13.6246

Details

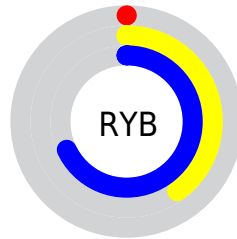
The XYZ color **18.5817, 31.3424, 24.1391** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.7892, 9.1069, 3.7281**, and the grayscale version is **16.5138, 17.3738, 18.9201**.

A 20% lighter version of the original color is **40.4693, 61.5401, 51.3404**, and **7.8668, 13.7017, 8.8867** is the 20% darker color. If you saturate the color by 10%, you get **18.5820, 31.3434, 24.1381**, and if you desaturate by 10%, it is **19.1370, 31.5927, 25.8242**.

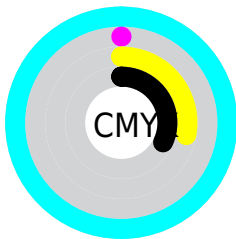
Distribution



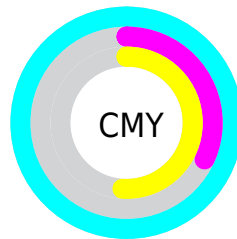
- Red (0%)
- Green (68%)
- Blue (49%)



- Red (0%)
- Yellow (40%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (32%)



- Cyan (100%)
- Magenta (32%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5817, 31.3424, 24.1391 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 18.5817, 31.3424, 24.1391 by changing the saturation by 10% instead.

■ 18.5817, 31.3424,
24.1391

■ 18.5817, 31.3424,
24.1391

■ 237.1124,
308.1127, 286.8321

■ 11.4706, 20.8597,
15.2237

■ 40.5484, 61.7787,
51.2038

■ 6.4539, 13.0215,
8.8282

■ 56.1348, 82.5012,
70.1901

■ 3.1663, 7.4434,
4.5340

■ 75.2770, 107.4057,
93.3705

■ 1.2423, 3.7409,
1.9226

■ 98.3403, 136.8766,
121.1635

■ 0.1394, 1.5297,
0.5071

■ 125.6901,
171.2984, 153.9876

■ 0.0000, 0.3095,
0.0000

■ 157.6919,

■ 0.0000, 0.0000,

211.0554, 192.2614

0.0000

194.7108,
256.5320, 236.4034

■ 18.5817, 31.3424,
24.1391

■ 18.5817, 31.3424,
24.1391

■ 18.5820, 31.3434,
24.1381

■ 19.1370, 31.5927,
25.8242

■ 19.9137, 31.9547,
27.6005

■ 20.9947, 32.4716,
29.4738

■ 22.4178, 33.1630,
31.4468

■ 24.2153, 34.0456,
33.5221

■ 26.4155, 35.1339,
35.7022

■ 29.0441, 36.4411,
37.9891

■ 32.1245, 37.9792,
40.3851

■ 35.6784, 39.7595,
42.8922

Harmonies

Analogous

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



21.4089, 31.3424, 12.9311



18.5817, 31.3424, 24.1391



18.4323, 31.3424, 43.9006

Triad

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



18.5817, 31.3424, 24.1391



33.0316, 31.3424, 87.6920



40.8023, 31.3424, 13.7904

Complementary

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



18.5817, 31.3424, 24.1391



17.7892, 9.1069, 3.7281

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.



45.0563, 31.3424, 25.9229



18.5817, 31.3424, 24.1391



40.1146, 31.3424, 70.9620

Square

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



18.5817, 31.3424, 24.1391



26.0608, 31.3424, 86.5938



44.7864, 31.3424, 46.5469



33.8590, 31.3424, 8.7815

Rectangle

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



18.5817, 31.3424, 24.1391



19.8220, 31.3424, 60.2679



44.7864, 31.3424, 46.5469



42.6399, 31.3424, 16.9066

Sweetspot

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



18.5825, 31.3436, 24.1398



51.7429, 65.1265, 67.8104



16.2123, 30.5420, 5.0413



10.8116, 13.9377, 14.3703



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.5825, 31.3436, 24.1398



33.1817, 56.0939, 42.7200



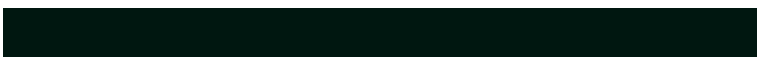
16.2805, 20.4916, 42.6338



8.1381, 9.0328, 9.7523



13.6761, 23.0357, 17.8661



0.4023, 0.6496, 0.6122

Inverse Universe

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



17.7892, 9.1069, 3.7281



31.7777, 16.2765, 6.2528



17.9115, 10.2390, 1.0328



8.0950, 8.0513, 8.8113



13.0897, 6.6984, 2.8519



0.3878, 0.1958, 0.2040

Previews

White Background



This preview shows how the XYZ color 18.5817, 31.3424, 24.1391 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 18.5817, 31.3424, 24.1391 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 ✓ Pass

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

XYZ 18.5817, 31.3424, 24.1391

Background



This preview shows how black text looks on a background with the XYZ color 18.5817, 31.3424, 24.1391.



This preview shows how white text looks on a background with the XYZ color 18.5817, 31.3424,

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

18.5817, 31.3424, 24.1391

Protanopia

29.0042, 31.0295, 20.3802

Deuteranopia

31.3882, 30.7467, 25.3995



Tritanopia

23.4602, 31.3970, 47.4716

Trichromacy



Original Color

18.5817, 31.3424, 24.1391



Protanomaly

21.2617, 28.9878, 21.6141



Deuteranomaly

22.0480, 28.3162, 24.7256



Tritanomaly

21.1735, 31.2542, 37.7176

Monochromacy



Original Color

18.5817, 31.3424, 24.1391



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

15.0995, 20.6791, 20.6484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5817, 31.3424, 24.1391 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, 173, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 124)  
}
```

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, 173, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 124) }
```

Border

The CSS property to change the border of an element to XYZ 18.5817, 31.3424, 24.1391 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, 173, 124) }
```


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

```
.border{ border-color:rgb(0, 173, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 173, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5817, 31.3424, 24.1391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 124) }
```

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

```
.background{ background-color: rgb(0, 173,  
124) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor