

Converting Colors

XYZ(19.4923, 31.8474, 22.5726)

Have a look what the booklet for
XYZ(19.4923, 31.8474, 22.5726)
contains.

XYZ(19.4923, 31.8474, 22.5726)	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(19.4923, 31.8474,
22.5726)**

Conversions

Conversions Part 1

Format	Color
Hex	30AD77
RGB	48, 173, 119
RGB Percent	19%, 68%, 47%
CMY	0.8117, 0.3216, 0.5333
CMYK	0.72, 0.00, 0.31, 0.32
HSL	154°, 57%, 43%
HSV	154°, 72%, 68%
XYZ	19.4923, 31.8474, 22.5726
YIQ	129.4690, -57.1660, -43.2940

Conversions

Conversions Part 2

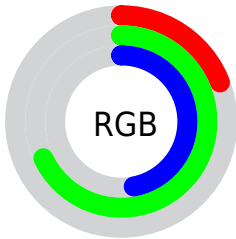
Format	Color
RYB	48, 128, 173
Decimal	3190135
CIELab	63.22, -46.59, 18.21
CIELCh	63, 50.026, 158.652
Yxy	31.8474, 0.2637, 0.4309
Android (android.graphics.Color)	4281380215 (0xFF30AD77)
YUV	129.4690, -5.1612, -71.4483
Hunter-Lab	56.4335, -37.1042, 15.7883

Details

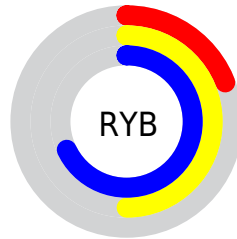
The XYZ color **19.4923, 31.8474, 22.5726** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **20.6899, 11.9583, 13.7896**, and the grayscale version is **21.0637, 22.1607, 24.1330**.

A 20% lighter version of the original color is **41.9255, 62.3584, 48.3547**, and **7.7023, 13.6358, 8.0204** is the 20% darker color. If you saturate the color by 10%, you get **18.3987, 31.3343, 20.2702**, and if you desaturate by 10%, it is **20.9410, 32.5412, 25.0774**.

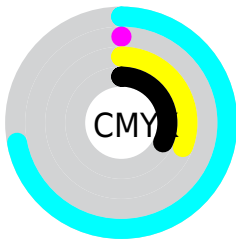
Distribution



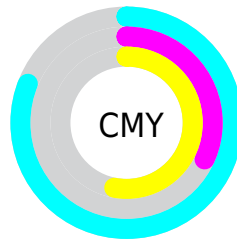
- Red (19%)
- Green (68%)
- Blue (47%)



- Red (19%)
- Yellow (50%)
- Blue (68%)



- Cyan (72%)
- Magenta (0%)
- Yellow (31%)
- Black (32%)





- Cyan (81%)
- Magenta (32%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.4923, 31.8474, 22.5726 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 19.4923, 31.8474, 22.5726 by changing the saturation by 10% instead.


 19.4923, 31.8474,
22.5726


 19.4923, 31.8474,
22.5726


242.0395,
310.4235, 278.5725


 12.1326, 21.2450,
14.0759


 42.0748, 62.5718,
48.6048


 6.9069, 13.3032,
8.0341


 58.0284, 83.4625,
66.9775


 3.4498, 7.6377,
4.0287


 77.5773, 108.5515,
89.4792

 1.3958, 3.8640,
1.6411

 101.0869,
138.2231, 116.5285

 0.2533, 1.5978,
0.3199

 128.9226,
172.8617, 148.5439

 0.0000, 0.3561,
0.0000

161.4497,

 0.0000, 0.0000,

212.8517, 185.9441

0.0000

199.0335,
258.5775, 229.1474

■ 19.4923, 31.8474,
22.5726

■ 19.4923, 31.8474,
22.5726

■ 18.3987, 31.3343,
20.2702

■ 20.9410, 32.5412,
25.0774

■ 17.6175, 30.9775,
18.1617

■ 22.7762, 33.4292,
27.7879

■ 17.1612, 30.7750,
16.6562

■ 25.0285, 34.5279,
30.7103

■ 27.7246, 35.8511,
33.8497

■ 30.8888, 37.4112,
37.2108

■ 34.5437, 39.2197,
40.7984

■ 38.7104, 41.2875,
44.6171

■ 43.4087, 43.6247,
48.6710

■ 48.6572, 46.2408,
52.9645

Harmonies

Analogous

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



22.6974, 31.8474, 12.6195



19.4923, 31.8474, 22.5726



18.9299, 31.8474, 40.7297

Triad

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



19.4923, 31.8474, 22.5726



32.3158, 31.8474, 87.6335



41.8946, 31.8474, 15.9069

Complementary

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



19.4923, 31.8474, 22.5726



20.6899, 11.9583, 13.7896

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.



45.4204, 31.8474, 29.2547



19.4923, 31.8474, 22.5726



39.3635, 31.8474, 73.7573

Square

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



19.4923, 31.8474, 22.5726



25.6803, 31.8474, 83.6490



44.4296, 31.8474, 50.4793



35.3763, 31.8474, 9.9176

Rectangle

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



19.4923, 31.8474, 22.5726



20.0313, 31.8474, 56.3428



44.4296, 31.8474, 50.4793



43.5110, 31.8474, 19.4273

Sweetspot

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



19.4931, 31.8487, 22.5733



55.2378, 66.9595, 66.5582



20.9766, 32.9364, 8.0486



11.6668, 14.3851, 14.1163



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.



19.4931, 31.8487, 22.5733



32.0128, 55.6855, 33.8947



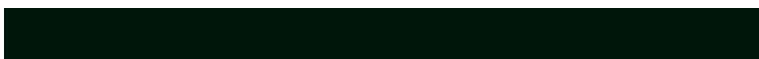
22.1579, 30.4370, 44.2437



8.0879, 9.0127, 9.4877



12.6361, 22.6197, 12.3891



0.3783, 0.6400, 0.4855

Inverse Universe

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



20.6899, 11.9583, 13.7896



34.3178, 18.0023, 17.4408



19.1984, 11.9592, 4.0933



8.1435, 8.0707, 9.0665



13.6147, 6.9084, 5.6164



0.4065, 0.2033, 0.3025

Previews

White Background



This preview shows how the XYZ color 19.4923, 31.8474, 22.5726 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 19.4923, 31.8474, 22.5726 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 19.4923, 31.8474, 22.5726

Background



This preview shows how black text looks on a background with the XYZ color 19.4923, 31.8474, 22.5726.



This preview shows how white text looks on a background with the XYZ color 19.4923, 31.8474,

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

19.4923, 31.8474, 22.5726

Protanopia

29.1470, 31.3688, 19.2704

Deuteranopia

31.8851, 31.2685, 23.7569



Tritanopia

24.4159, 31.6208, 47.4644

Trichromacy



Original Color

19.4923, 31.8474, 22.5726



Protanomaly

23.4366, 30.3988, 20.2551



Deuteranomaly

24.5169, 29.8741, 23.2130



Tritanomaly

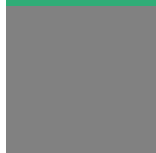
22.2684, 31.5634, 36.8170

Monochromacy



Original Color

19.4923, 31.8474, 22.5726



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

19.0826, 24.4408, 23.1138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4923, 31.8474, 22.5726 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(48, 173, 119)` looks like.

```
.text, #text, p{  
  color:rgb(48, 173, 119)  
}
```

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(48, 173, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 173, 119) }
```

Border

The CSS property to change the border of an element to XYZ 19.4923, 31.8474, 22.5726 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(48, 173, 119) }
```


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

```
.border{ border-color:rgb(48, 173, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 173, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 173, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 173, 119);  
box-shadow:4px 4px 4px 4px rgb(48, 173,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4923, 31.8474, 22.5726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 173, 119) }
```

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

```
.background{ background-color: rgb(48, 173,  
119) }
```

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