

Converting Colors

XYZ(19.4375, 31.1881, 23.5380)

Have a look what the booklet for
XYZ(19.4375, 31.1881, 23.5380)
contains.

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Color

**XYZ(19.4410, 31.2348,
23.4166)**

Conversions

Conversions Part 1

Format	Color
Hex	33AB7A
RGB	51, 171, 122
RGB Percent	20%, 67%, 48%
CMY	0.8000, 0.3294, 0.5216
CMYK	0.70, 0.00, 0.29, 0.33
HSL	155°, 54%, 44%
HSV	155°, 70%, 67%
XYZ	19.4410, 31.2348, 23.4166
YIQ	129.5340, -55.7910, -40.6790

Conversions

Conversions Part 2

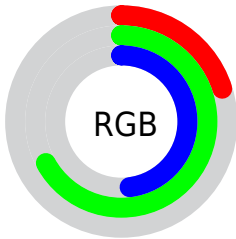
Format	Color
RYB	51, 126, 171
Decimal	3386234
CIELab	62.71, -44.65, 15.87
CIELCh	63, 47.386, 160.430
Yxy	31.2348, 0.2624, 0.4216
Android (android.graphics.Color)	4281576314 (0xFF33AB7A)
YUV	129.5340, -3.7143, -68.8743
Hunter-Lab	55.8881, -35.7119, 14.2797

Details

The XYZ color **19.4410, 31.2348, 23.4166** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **20.2797, 11.9464, 13.2948**, and the grayscale version is **21.0812, 22.1791, 24.1530**.

A 20% lighter version of the original color is **42.0170, 61.5440, 50.2221**, and **7.6810, 13.4379, 8.4923** is the 20% darker color. If you saturate the color by 10%, you get **18.3156, 30.7036, 21.1864**, and if you desaturate by 10%, it is **20.9160, 31.9442, 25.8269**.

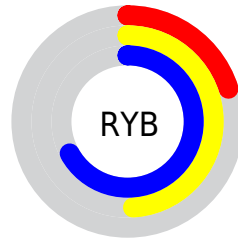
Distribution



Red (20%)

Green (67%)

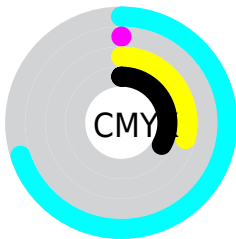
Blue (48%)



Red (20%)

Yellow (49%)

Blue (67%)

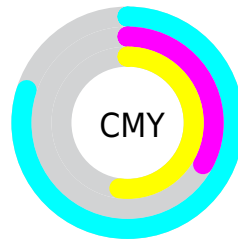


Cyan (70%)

Magenta (0%)

Yellow (29%)

Black (33%)



Cyan (80%)

Magenta (33%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4410, 31.2348, 23.4166 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 19.4410, 31.2348, 23.4166 by changing the saturation by 10% instead.

■ 19.4410, 31.2348,
23.4166

■ 19.4410, 31.2348,
23.4166

241.7643,
307.6186, 283.0485

■ 12.0953, 20.7777,
14.6932

■ 41.9891, 61.6096,
50.0083

■ 6.8812, 12.9616,
8.4602

■ 57.9222, 82.2960,
68.7138

■ 3.4336, 7.4021,
4.2988

■ 77.4484, 107.1610,
91.5836

■ 1.3870, 3.7148,
1.7907

■ 100.9331,
136.5890, 119.0365

■ 0.2469, 1.5154,
0.4218

■ 128.7417,
170.9644, 151.4909

■ 0.0000, 0.2995,
0.0000

161.2396,

■ 0.0000, 0.0000,

210.6715, 189.3653

0.0000

198.7920,
256.0948, 233.0783

■ 19.4410, 31.2348,
23.4166

■ 19.4410, 31.2348,
23.4166

■ 18.3156, 30.7036,
21.1864

■ 20.9160, 31.9442,
25.8269

■ 17.4998, 30.3278,
19.1289

■ 22.7699, 32.8445,
28.4199

■ 16.9210, 30.0700,
17.2691

■ 25.0316, 33.9512,
31.2007

■ 27.7265, 35.2774,
34.1737

■ 30.8776, 36.8350,
37.3430

■ 34.5065, 38.6350,
40.7126

■ 38.6333, 40.6876,
44.2862

■ 43.2769, 43.0026,
48.0675

■ 48.4552, 45.5891,
52.0601

Harmonies

Analogous

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



22.3287, 31.2348, 13.4591



19.4410, 31.2348, 23.4166



19.0566, 31.2348, 40.8754

Triad

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



19.4410, 31.2348, 23.4166



31.9972, 31.2348, 82.4608



40.2000, 31.2348, 15.7414

Complementary

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



19.4410, 31.2348, 23.4166



20.2797, 11.9464, 13.2948

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.



43.6804, 31.2348, 27.9588



19.4410, 31.2348, 23.4166



38.5084, 31.2348, 68.9778

Square

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



19.4410, 31.2348, 23.4166



25.7125, 31.2348, 79.8368



43.0199, 31.2348, 47.3941



34.0529, 31.2348, 10.2733

Rectangle

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



19.4410, 31.2348, 23.4166



20.2010, 31.2348, 55.4342



43.0199, 31.2348, 47.3941



41.7584, 31.2348, 18.9676

Sweetspot

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



19.4418, 31.2360, 23.4173



54.5781, 65.6106, 66.1787



20.5283, 32.1329, 8.2526



11.8224, 14.4589, 14.4145



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.



19.4418, 31.2360, 23.4173



31.9607, 54.5966, 35.9472



21.4618, 29.1351, 43.0221



8.0958, 9.0159, 9.5295



12.7821, 22.6781, 13.1580



0.3818, 0.6414, 0.5043

Inverse Universe

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



20.2797, 11.9464, 13.2948



33.5960, 17.8982, 16.8947



19.0618, 12.2351, 4.4893



8.1357, 8.0675, 9.0256



13.5147, 6.8684, 5.0901



0.4035, 0.2021, 0.2869

Previews

White Background



This preview shows how the XYZ color 19.4410, 31.2348, 23.4166 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 19.4410, 31.2348, 23.4166 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 19.4410, 31.2348, 23.4166

Background



This preview shows how black text looks on a background with the XYZ color 19.4410, 31.2348, 23.4166.



This preview shows how white text looks on a background with the XYZ color 19.4410, 31.2348,

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

19.4410, 31.2348, 23.4166

Protanopia

28.5849, 30.5820, 20.0191

Deuteranopia

31.2553, 30.6935, 24.6992



Tritanopia

24.0353, 31.1811, 46.3467

Trichromacy



Original Color

19.4410, 31.2348, 23.4166



Protanomaly

23.2644, 29.7796, 21.0449



Deuteranomaly

24.3748, 29.2847, 24.1065



Tritanomaly

22.1513, 31.2300, 36.7588

Monochromacy



Original Color

19.4410, 31.2348, 23.4166



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

19.3230, 24.5498, 23.7988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4410, 31.2348, 23.4166 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(51, 171, 122)` looks like.

```
.text, #text, p{  
    color:rgb(51, 171, 122)  
}
```

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(51, 171, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 171, 122) }
```

Border

The CSS property to change the border of an element to XYZ 19.4410, 31.2348, 23.4166 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(51, 171, 122) }
```


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

```
.border{ border-color:rgb(51, 171, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 171, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 171, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 171, 122);  
box-shadow:4px 4px 4px 4px rgb(51, 171,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4410, 31.2348, 23.4166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 171, 122) }
```

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

```
.background{ background-color: rgb(51, 171,  
122) }
```

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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