

Converting Colors

XYZ(13.0743, 19.7042, 23.4648)

Have a look what the booklet for
XYZ(13.0743, 19.7042, 23.4648)
contains.

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Color

**XYZ(13.1364, 19.8136,
23.5541)**

Conversions

Conversions Part 1

Format	Color
Hex	0C8A80
RGB	12, 138, 128
RGB Percent	5%, 54%, 50%
CMY	0.9529, 0.4588, 0.4980
CMYK	0.91, 0.00, 0.07, 0.46
HSL	175°, 84%, 29%
HSV	175°, 91%, 54%
XYZ	13.1364, 19.8136, 23.5541
YIQ	99.1860, -71.8860, -29.8220

Conversions

Conversions Part 2

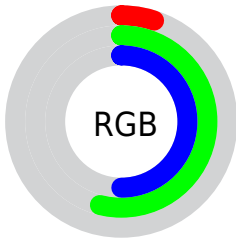
Format	Color
RYB	12, 78, 138
Decimal	821888
CIELab	51.63, -32.98, -3.46
CIELCh	52, 33.159, 185.996
Yxy	19.8136, 0.2325, 0.3507
Android (android.graphics.Color)	4279011968 (0xFF0C8A80)
YUV	99.1860, 14.2053, -76.4621
Hunter-Lab	44.5125, -25.2184, -0.2150

Details

The XYZ color **13.1364, 19.8136, 23.5541** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.7583, 5.7248, 1.2980**, and the grayscale version is **11.8865, 12.5055, 13.6185**.

A 20% lighter version of the original color is **31.1206, 43.0617, 50.3876**, and **4.8195, 7.3809, 8.5678** is the 20% darker color. If you saturate the color by 10%, you get **12.9226, 19.7110, 23.2182**, and if you desaturate by 10%, it is **13.4790, 19.9823, 23.9491**.

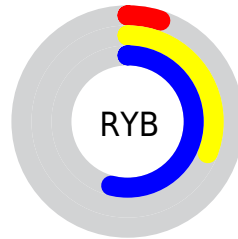
Distribution



Red (5%)

Green (54%)

Blue (50%)



Red (5%)

Yellow (31%)

Blue (54%)

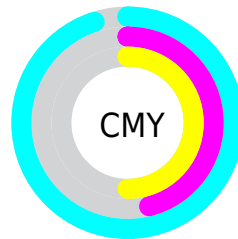


Cyan (91%)

Magenta (0%)

Yellow (7%)

Black (46%)



Cyan (95%)

Magenta (46%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1364, 19.8136, 23.5541 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 13.1364, 19.8136, 23.5541 by changing the saturation by 10% instead.

■ 13.1364, 19.8136,
23.5541

■ 13.1364, 19.8136,
23.5541

205.4100,
250.9042, 283.7719

■ 7.6002, 12.2596,
14.7940

■ 31.1478, 43.1044,
50.2362

■ 3.8898, 6.9207,
8.5300

■ 44.3538, 59.6101,
68.9954

■ 1.6400, 3.4126,
4.3433

■ 60.8470, 79.8685,
91.9247

■ 0.4183, 1.3507,
1.8155

■ 80.9929, 104.2639,
119.4427

■ 0.0000, 0.1800,
0.4381

■ 105.1568,
133.1808, 151.9678

■ 0.0000, 0.0000,
0.0000

■ 133.7040,

167.0035, 189.9187

167.0000,
206.1166, 233.7139

■ 13.1364, 19.8136,
23.5541

■ 13.1364, 19.8136,
23.5541

■ 12.9226, 19.7110,
23.2182

■ 13.4790, 19.9823,
23.9491

■ 13.9913, 20.2379,
24.3556

■ 14.6953, 20.5923,
24.7752

■ 15.6097, 21.0550,
25.2088

■ 16.7505, 21.6344,
25.6570

■ 18.1326, 22.3381,
26.1207

■ 19.7692, 23.1729,
26.6004

■ 21.6729, 24.1452,
27.0968

■ 23.8553, 25.2612,
27.6104

Harmonies

Analogous

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



13.5502, 19.8136, 14.9190



13.1364, 19.8136, 23.5541



14.0964, 19.8136, 34.3003

Triad

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



13.1364, 19.8136, 23.5541



22.8677, 19.8136, 40.1542



21.5695, 19.8136, 8.7494

Complementary

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



13.1364, 19.8136, 23.5541



10.7583, 5.7248, 1.2980

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.



24.5251, 19.8136, 12.4632



13.1364, 19.8136, 23.5541



25.3345, 19.8136, 29.9607

Square

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



13.1364, 19.8136, 23.5541



19.5116, 19.8136, 45.5444



25.9743, 19.8136, 19.7074



18.1688, 19.8136, 7.9576

Rectangle

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



13.1364, 19.8136, 23.5541



15.4619, 19.8136, 40.7123



25.9743, 19.8136, 19.7074



22.6599, 19.8136, 9.6297

Sweetspot

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



13.1370, 19.8143, 23.5546



32.9787, 39.8925, 46.3517



9.4976, 18.3806, 3.3957



7.2183, 8.8566, 10.3422



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.1370, 19.8143, 23.5546



22.7508, 34.7324, 40.7834



8.0282, 8.4907, 25.2612



5.1560, 5.6819, 6.3425



11.8503, 18.0727, 21.3001



0.0811, 0.1210, 0.1539

Inverse Universe

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



10.7583, 5.7248, 1.2980



18.5555, 9.5564, 1.2881



12.4104, 9.1548, 1.4614



5.0479, 5.0546, 5.3410



9.6675, 4.9771, 0.7536



0.0661, 0.0338, 0.0147

Previews

White Background



This preview shows how the XYZ color 13.1364, 19.8136, 23.5541 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 13.1364, 19.8136, 23.5541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

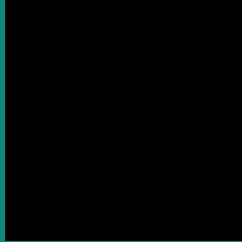
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.1364, 19.8136, 23.5541

Background



This preview shows how black text looks on a background with the XYZ color 13.1364, 19.8136, 23.5541.



This preview shows how white text looks on a background with the XYZ color 13.1364, 19.8136,

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

13.1364, 19.8136, 23.5541

Protanopia

18.7468, 19.6110, 20.2500

Deuteranopia

19.9676, 19.6054, 24.5616



Tritanopia

14.5120, 19.7433, 30.2401

Trichromacy



Original Color

13.1364, 19.8136, 23.5541

Protanomaly

14.8882, 18.7283, 21.2426

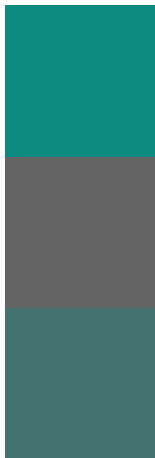
Deuteranomaly

15.4881, 18.5866, 24.2440

Tritanomaly

13.8904, 19.6920, 27.4949

Monochromacy



Original Color

13.1364, 19.8136, 23.5541

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.0343, 14.1293, 16.8975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1364, 19.8136, 23.5541 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(12, 138, 128)` looks like.

```
.text, #text, p{  
    color:rgb(12, 138, 128)  
}
```

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(12, 138, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 138, 128) }
```

Border

The CSS property to change the border of an element to XYZ 13.1364, 19.8136, 23.5541 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(12, 138, 128) }
```


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

```
.border{ border-color:rgb(12, 138, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 138, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 138, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 138, 128);  
box-shadow:4px 4px 4px 4px rgb(12, 138,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1364, 19.8136, 23.5541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 138, 128) }
```

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

```
.background{ background-color: rgb(12, 138,  
128) }
```

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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