

Converting Colors

XYZ(4.2040, 18.3845, 21.1903)

Have a look what the booklet for
XYZ(4.2040, 18.3845, 21.1903)
contains.

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Color

**XYZ(14.6184, 23.8125,
21.5951)**

Conversions

Conversions Part 1

Format	Color
Hex	009878
RGB	0, 152, 120
RGB Percent	0%, 60%, 47%
CMY	0.9999, 0.4039, 0.5294
CMYK	1.00, 0.00, 0.21, 0.40
HSL	167°, 100%, 30%
HSV	167°, 100%, 60%
XYZ	14.6184, 23.8125, 21.5951
YIQ	102.9040, -80.3200, -42.1760

Conversions

Conversions Part 2

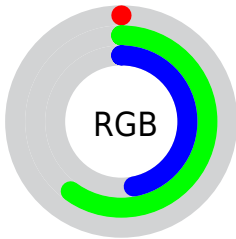
Format	Color
RYB	0, 85, 152
Decimal	39032
CIELab	55.90, -42.02, 7.33
CIELCh	56, 42.656, 170.105
Yxy	23.8125, 0.2435, 0.3967
Android (android.graphics.Color)	4278229112 (0xFF009878)
YUV	102.9040, 8.4283, -90.2468
Hunter-Lab	48.7981, -31.9235, 7.9204

Details

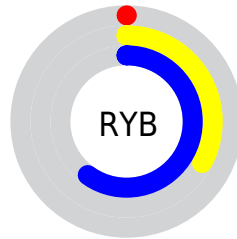
The XYZ color **14.6184, 23.8125, 21.5951** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.2104, 6.7804, 1.9802**, and the grayscale version is **12.8619, 13.5318, 14.7361**.

A 20% lighter version of the original color is **33.6897, 49.6304, 46.8337**, and **5.7269, 9.5822, 7.6786** is the 20% darker color. If you saturate the color by 10%, you get **14.6186, 23.8132, 21.5946**, and if you desaturate by 10%, it is **15.0170, 23.9957, 22.6453**.

Distribution



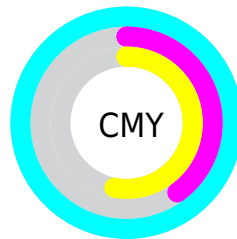
- Red (0%)
- Green (60%)
- Blue (47%)



- Red (0%)
- Yellow (33%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6184, 23.8125, 21.5951 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 14.6184, 23.8125, 21.5951 by changing the saturation by 10% instead.

■ 14.6184, 23.8125,
21.5951

■ 14.6184, 23.8125,
21.5951

214.4792,
271.8712, 273.3086

■ 8.6366, 15.1946,
13.3642

■ 33.7595, 49.7241,
46.9694

■ 4.5601, 8.9561,
7.5462

■ 47.6495, 67.7865,
64.9500

■ 2.0236, 4.7125,
3.7224

■ 64.9063, 89.7659,
87.0175

■ 0.6472, 2.0796,
1.4743

■ 85.8952, 116.0466,
113.5905

■ 0.0000, 0.6531,
0.1987

■ 110.9816,
147.0132, 145.0876

■ 0.0000, 0.0000,
0.0000

■ 140.5308,

183.0498, 181.9273

174.9082,
224.5410, 224.5281

■ 14.6184, 23.8125,
21.5951

■ 14.6184, 23.8125,
21.5951

■ 14.6186, 23.8132,
21.5946

■ 15.0170, 23.9957,
22.6453

■ 15.5682, 24.2563,
23.7364

■ 16.3408, 24.6303,
24.8724

■ 17.3619, 25.1315,
26.0548

■ 18.6547, 25.7721,
27.2852

■ 20.2396, 26.5625,
28.5646

■ 22.1352, 27.5122,
29.8944

■ 24.3583, 28.6300,
31.2756

■ 26.9247, 29.9240,
32.7092

Harmonies

Analogous

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



16.1934, 23.8125, 12.2711



14.6184, 23.8125, 21.5951



14.9424, 23.8125, 36.2593

Triad

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



14.6184, 23.8125, 21.5951



26.0000, 23.8125, 60.0582



29.1719, 23.8125, 10.3371

Complementary

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



14.6184, 23.8125, 21.5951



13.2104, 6.7804, 1.9802

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.



32.5924, 23.8125, 17.7727



14.6184, 23.8125, 21.5951



30.5871, 23.8125, 47.1616

Square

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



14.6184, 23.8125, 21.5951



21.0648, 23.8125, 62.2425



33.1444, 23.8125, 30.8043



24.2773, 23.8125, 7.4887

Rectangle

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



14.6184, 23.8125, 21.5951



16.2111, 23.8125, 47.2740



33.1444, 23.8125, 30.8043



30.5601, 23.8125, 12.2254

Sweetspot

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



14.6191, 23.8134, 21.5957



38.8548, 48.4525, 52.6229



11.8542, 22.7797, 3.7726



8.5240, 10.8586, 11.7517



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



14.6191, 23.8134, 21.5957



25.7360, 42.0048, 37.7652



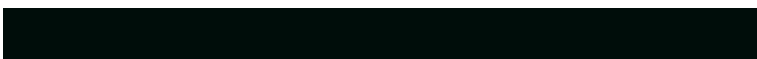
11.1301, 13.1916, 31.6664



6.3289, 7.0043, 7.6551



12.2685, 19.9709, 18.1664



0.1959, 0.3036, 0.3373

Inverse Universe

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



13.2104, 6.7804, 1.9802



23.2623, 11.9452, 3.2088



13.8162, 8.4092, 0.8954



6.2594, 6.2429, 6.7460



11.0858, 5.6885, 1.7108



0.1770, 0.0896, 0.0850

Previews

White Background



This preview shows how the XYZ color 14.6184, 23.8125, 21.5951 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 14.6184, 23.8125, 21.5951 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 14.6184, 23.8125, 21.5951

Background



This preview shows how black text looks on a background with the XYZ color 14.6184, 23.8125, 21.5951.



This preview shows how white text looks on a background with the XYZ color 14.6184, 23.8125,

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

14.6184, 23.8125, 21.5951

Protanopia

22.1865, 23.5636, 18.1307

Deuteranopia

23.9464, 23.5707, 22.6895



Tritanopia

17.8184, 23.9515, 36.4849

Trichromacy



Original Color

14.6184, 23.8125, 21.5951



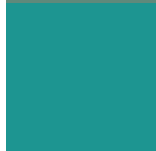
Protanomaly

16.6318, 22.1447, 19.3174



Deuteranomaly

17.2401, 21.7543, 22.0292



Tritanomaly

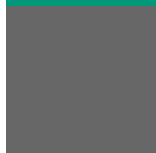
16.3650, 23.8004, 30.5195

Monochromacy



Original Color

14.6184, 23.8125, 21.5951



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

11.8445, 15.9371, 16.9199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6184, 23.8125, 21.5951 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, 152, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 120)  
}
```

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, 152, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 120) }
```

Border

The CSS property to change the border of an element to XYZ 14.6184, 23.8125, 21.5951 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, 152, 120) }
```


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

```
.border{ border-color:rgb(0, 152, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 152, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6184, 23.8125, 21.5951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 120) }
```

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

```
.background{ background-color: rgb(0, 152,  
120) }
```

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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