

Converting Colors

XYZ(14.0503, 23.8461, 17.7997)

Have a look what the booklet for
XYZ(14.0503, 23.8461, 17.7997)
contains.

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Color

**XYZ(14.0451, 23.8440,
17.7720)**

Conversions

Conversions Part 1

Format	Color
Hex	00996B
RGB	0, 153, 107
RGB Percent	0%, 60%, 42%
CMY	0.9999, 0.4000, 0.5804
CMYK	1.00, 0.00, 0.30, 0.40
HSL	162°, 100%, 30%
HSV	162°, 100%, 60%
XYZ	14.0451, 23.8440, 17.7720
YIQ	102.0090, -76.4220, -46.7420

Conversions

Conversions Part 2

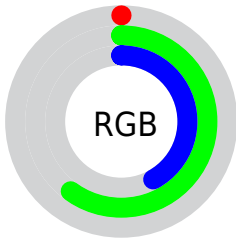
Format	Color
RYB	0, 90, 153
Decimal	39275
CIELab	55.93, -45.71, 14.72
CIELCh	56, 48.018, 162.150
Yxy	23.8440, 0.2523, 0.4284
Android (android.graphics.Color)	4278229355 (0xFF00996B)
YUV	102.0090, 2.4606, -89.4619
Hunter-Lab	48.8303, -34.1110, 12.6024

Details

The XYZ color **14.0451, 23.8440, 17.7720** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **13.6309, 6.9702, 3.2133**, and the grayscale version is **12.6411, 13.2995, 14.4831**.

A 20% lighter version of the original color is **32.7444, 49.6412, 40.6568**, and **5.4431, 9.6231, 5.7082** is the 20% darker color. If you saturate the color by 10%, you get **14.0453, 23.8448, 17.7714**, and if you desaturate by 10%, it is **14.4963, 24.0485, 19.0911**.

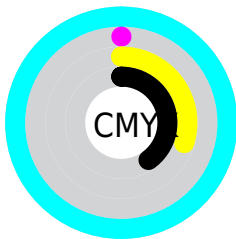
Distribution



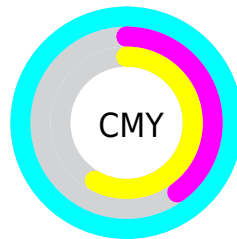
- Red (0%)
- Green (60%)
- Blue (42%)



- Red (0%)
- Yellow (35%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.0451, 23.8440, 17.7720 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 14.0451, 23.8440, 17.7720 by changing the saturation by 10% instead.

■ 14.0451, 23.8440,
17.7720

■ 14.0451, 23.8440,
17.7720

211.0162,
272.0308, 251.7756

■ 8.2340, 15.2179,
10.6187

■ 32.7546, 49.7755,
40.4571

■ 4.2981, 8.9725,
5.7001

■ 46.3837, 67.8498,
56.8260

■ 1.8721, 4.7232,
2.5978

■ 63.3495, 89.8422,
77.1038

■ 0.5605, 2.0858,
0.8913

■ 84.0173, 116.1372,
101.7090

■ 0.0000, 0.6566,
0.0000

■ 108.7526,
147.1191, 131.0603

■ 0.0000, 0.0000,
0.0000

■ 137.9205,

183.1725, 165.5761

171.8866,
224.6816, 205.6750

■ 14.0451, 23.8440,
17.7720

■ 14.0451, 23.8440,
17.7720

■ 14.0453, 23.8448,
17.7714

■ 14.4963, 24.0485,
19.0911

■ 15.1094, 24.3343,
20.4855

■ 15.9537, 24.7378,
21.9599

■ 17.0569, 25.2732,
23.5167

■ 18.4428, 25.9528,
25.1579

■ 20.1323, 26.7873,
26.8854

■ 22.1442, 27.7864,
28.7010

■ 24.4960, 28.9590,
30.6063

■ 27.2036, 30.3134,
32.6032

Harmonies

Analogous

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



16.3057, 23.8440, 9.4082



14.0451, 23.8440, 17.7720



13.8490, 23.8440, 32.8404

Triad

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



14.0451, 23.8440, 17.7720



24.9522, 23.8440, 68.0097



31.4003, 23.8440, 10.5277

Complementary

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



14.0451, 23.8440, 17.7720



13.6309, 6.9702, 3.2133

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.



34.5941, 23.8440, 20.1182



14.0451, 23.8440, 17.7720



30.4891, 23.8440, 55.3517

Square

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



14.0451, 23.8440, 17.7720



19.5862, 23.8440, 66.5454



34.2360, 23.8440, 36.3463



26.0463, 23.8440, 6.5368

Rectangle

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



14.0451, 23.8440, 17.7720



14.8658, 23.8440, 45.5428



34.2360, 23.8440, 36.3463



32.7982, 23.8440, 12.9940

Sweetspot

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



14.0457, 23.8449, 17.7726



39.4225, 49.6441, 51.1981



12.6325, 23.4229, 3.8557



8.3861, 10.8034, 11.0252



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.



14.0457, 23.8449, 17.7726



25.0675, 42.6677, 31.3766



13.0780, 16.9558, 32.7216



6.3054, 6.9949, 7.5317



11.6230, 19.7127, 14.7672



0.1896, 0.3010, 0.3042

Inverse Universe

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



13.6309, 6.9702, 3.2133



24.3372, 12.4526, 5.3690



13.5541, 7.6060, 0.7541



6.2814, 6.2517, 6.8622



11.2784, 5.7656, 2.7250



0.1833, 0.0921, 0.1182

Previews

White Background



This preview shows how the XYZ color 14.0451, 23.8440, 17.7720 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 14.0451, 23.8440, 17.7720 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 14.0451, 23.8440, 17.7720

Background



This preview shows how black text looks on a background with the XYZ color 14.0451, 23.8440, 17.7720.



This preview shows how white text looks on a background with the XYZ color 14.0451, 23.8440,

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

14.0451, 23.8440, 17.7720

Protanopia

21.9198, 23.4965, 14.9353

Deuteranopia

24.0262, 23.5006, 18.8925



Tritanopia

17.8157, 23.7302, 35.9892

Trichromacy



Original Color

14.0451, 23.8440, 17.7720



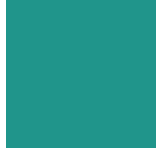
Protanomaly

16.0414, 21.9199, 15.6974



Deuteranomaly

16.8519, 21.6357, 18.3268



Tritanomaly

16.0033, 23.6660, 28.1506

Monochromacy



Original Color

14.0451, 23.8440, 17.7720



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

11.5160, 15.7980, 15.5391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.0451, 23.8440, 17.7720 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, 153, 107)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 107)  
}
```

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, 153, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 107) }
```

Border

The CSS property to change the border of an element to XYZ 14.0451, 23.8440, 17.7720 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, 153, 107) }
```


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

```
.border{ border-color:rgb(0, 153, 107) }
```

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

Here you see how a box with a 4 pixel rgb(0, 153, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 107);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 14.0451, 23.8440, 17.7720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 107) }
```

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

```
.background{ background-color: rgb(0, 153,  
107) }
```

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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