

Converting Colors

XYZ(13.9581, 23.8092, 17.3141)

Have a look what the booklet for
XYZ(13.9581, 23.8092, 17.3141)
contains.

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Color

**XYZ(13.9410, 23.8024,
17.2242)**

Conversions

Conversions Part 1

Format	Color
Hex	009969
RGB	0, 153, 105
RGB Percent	0%, 60%, 41%
CMY	1.0000, 0.4000, 0.5882
CMYK	1.00, 0.00, 0.31, 0.40
HSL	161°, 100%, 30%
HSV	161°, 100%, 60%
XYZ	13.9410, 23.8024, 17.2242
YIQ	101.7810, -75.7800, -47.3640

Conversions

Conversions Part 2

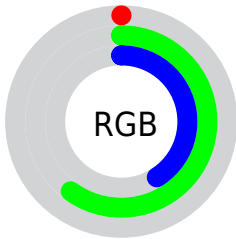
Format	Color
RYB	0, 91, 153
Decimal	39273
CIELab	55.89, -46.18, 15.78
CIELCh	56, 48.803, 161.133
Yxy	23.8024, 0.2536, 0.4330
Android (android.graphics.Color)	4278229353 (0xFF009969)
YUV	101.7810, 1.5870, -89.2619
Hunter-Lab	48.7877, -34.3724, 13.2194

Details

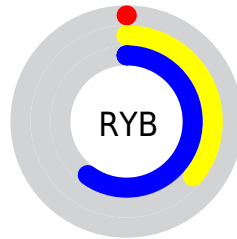
The XYZ color **13.9410, 23.8024, 17.2242** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **13.6711, 6.9861, 3.4249**, and the grayscale version is **12.5831, 13.2384, 14.4166**.

A 20% lighter version of the original color is **32.4871, 49.5383, 39.3021**, and **5.4174, 9.6128, 5.5729** is the 20% darker color. If you saturate the color by 10%, you get **13.9415, 23.8033, 17.2243**, and if you desaturate by 10%, it is **14.3974, 24.0090, 18.5708**.

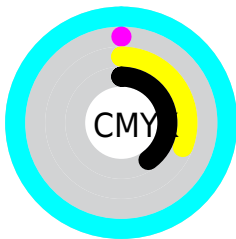
Distribution



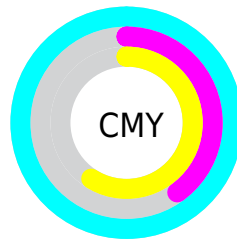
- Red (0%)
- Green (60%)
- Blue (41%)



- Red (0%)
- Yellow (36%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9410, 23.8024, 17.2242 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 13.9410, 23.8024, 17.2242 by changing the saturation by 10% instead.

■ 13.9410, 23.8024,
17.2242

■ 13.9410, 23.8024,
17.2242

210.3814,
271.8200, 248.5486

■ 8.1611, 15.1871,
10.2308

■ 32.5714, 49.7076,
39.5068

■ 4.2509, 8.9508,
5.4447

■ 46.1527, 67.7662,
55.6330

■ 1.8450, 4.7091,
2.4472

■ 63.0650, 89.7414,
75.6407

■ 0.5446, 2.0776,
0.8120

■ 83.6739, 116.0176,
99.9483

■ 0.0000, 0.6520,
0.0000

■ 108.3446,
146.9792, 128.9743

■ 0.0000, 0.0000,
0.0000

■ 137.4425,

183.0105, 163.1374

171.3330,
224.4959, 202.8560

■ 13.9410, 23.8024,
17.2242

■ 13.9410, 23.8024,
17.2242

■ 13.9415, 23.8033,
17.2243

■ 14.3974, 24.0090,
18.5708

■ 15.0166, 24.2972,
19.9983

■ 15.8682, 24.7036,
21.5117

■ 16.9798, 25.2424,
23.1134

■ 18.3753, 25.9258,
24.8056

■ 20.0754, 26.7645,
26.5904

■ 22.0993, 27.7683,
28.4696

■ 24.4642, 28.9462,
30.4451

■ 27.1861, 30.3063,
32.5186

Harmonies

Analogous

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



16.2952, 23.8024, 9.0211



13.9410, 23.8024, 17.2242



13.6725, 23.8024, 32.2887

Triad

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



13.9410, 23.8024, 17.2242



24.7509, 23.8024, 69.0532



31.6673, 23.8024, 10.5444

Complementary

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



13.9410, 23.8024, 17.2242



13.6711, 6.9861, 3.4249

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.



34.8160, 23.8024, 20.4436



13.9410, 23.8024, 17.2242



30.4087, 23.8024, 56.4884

Square

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



13.9410, 23.8024, 17.2242



19.3399, 23.8024, 67.0195



34.3209, 23.8024, 37.1302



26.2591, 23.8024, 6.4009

Rectangle

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



13.9410, 23.8024, 17.2242



14.6518, 23.8024, 45.1858



34.3209, 23.8024, 37.1302



33.0622, 23.8024, 13.0922

Sweetspot

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



13.9416, 23.8033, 17.2248



39.3428, 49.6122, 50.7783



12.6322, 23.4228, 3.8554



8.3666, 10.7956, 10.9226



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.



13.9416, 23.8033, 17.2248



24.8798, 42.5926, 30.3882



13.0778, 16.9554, 32.7216



6.3020, 6.9935, 7.5140



11.5374, 19.6784, 14.3166



0.1887, 0.3007, 0.2994

Inverse Universe

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



13.6711, 6.9861, 3.4249



24.4073, 12.4807, 5.7382



13.5540, 7.6057, 0.7538



6.2847, 6.2530, 6.8791



11.3121, 5.7791, 2.9023



0.1842, 0.0924, 0.1230

Previews

White Background



This preview shows how the XYZ color 13.9410, 23.8024, 17.2242 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 13.9410, 23.8024, 17.2242 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 13.9410, 23.8024, 17.2242

Background



This preview shows how black text looks on a background with the XYZ color 13.9410, 23.8024, 17.2242.



This preview shows how white text looks on a background with the XYZ color 13.9410, 23.8024,

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

13.9410, 23.8024, 17.2242

Protanopia

21.8265, 23.4592, 14.4440

Deuteranopia

23.9148, 23.4561, 18.3060



Tritanopia

17.8666, 23.7565, 35.9915

Trichromacy



Original Color

13.9410, 23.8024, 17.2242



Protanomaly

15.9446, 21.8812, 15.1875



Deuteranomaly

16.7430, 21.5921, 17.7532



Tritanomaly

16.0348, 23.6823, 28.1521

Monochromacy



Original Color

13.9410, 23.8024, 17.2242



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

11.4655, 15.7778, 15.2731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9410, 23.8024, 17.2242 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 105) }
```

Border

The CSS property to change the border of an element to XYZ 13.9410, 23.8024, 17.2242 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, 105) }
```


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

```
.border{ border-color:rgb(0, 153, 105) }
```

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, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 105);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9410, 23.8024, 17.2242 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, 105) }
```

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

```
.background{ background-color: rgb(0, 153,  
105) }
```

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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