

Converting Colors

XYZ(13.8573, 25.1340, 12.5748)

Have a look what the booklet for
XYZ(13.8573, 25.1340, 12.5748)
contains.

XYZ(13.8271, 25.0938, 12.5023)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.8271, 25.0938,
12.5023)**

Conversions

Conversions Part 1

Format	Color
Hex	009E54
RGB	0, 158, 84
RGB Percent	0%, 62%, 33%
CMY	1.0000, 0.3804, 0.6706
CMYK	1.00, 0.00, 0.47, 0.38
HSL	152°, 100%, 31%
HSV	152°, 100%, 62%
XYZ	13.8271, 25.0938, 12.5023
YIQ	102.3220, -70.4140, -56.5100

Conversions

Conversions Part 2

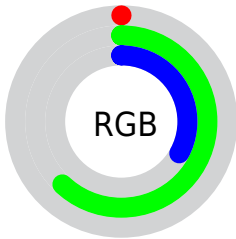
Format	Color
RYB	0, 103, 158
Decimal	40532
CIELab	57.17, -52.41, 28.94
CIElCh	57, 59.867, 151.091
Yxy	25.0938, 0.2689, 0.4880
Android (android.graphics.Color)	4278230612 (0xFF009E54)
YUV	102.3220, -9.0327, -89.7364
Hunter-Lab	50.0937, -38.3936, 20.2681

Details

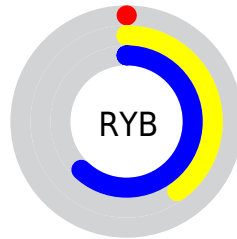
The XYZ color **13.8271, 25.0938, 12.5023** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.3375, 7.7641, 7.1705**, and the grayscale version is **12.7508, 13.4148, 14.6087**.

A 20% lighter version of the original color is **32.4442, 51.9171, 31.2327**, and **5.3855, 10.2367, 3.4423** is the 20% darker color. If you saturate the color by 10%, you get **13.8275, 25.0947, 12.5020**, and if you desaturate by 10%, it is **14.3435, 25.3254, 14.1211**.

Distribution



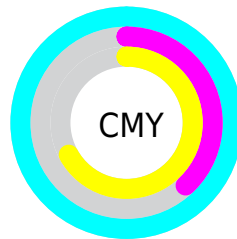
- Red (0%)
- Green (62%)
- Blue (33%)



- Red (0%)
- Yellow (40%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (38%)



- Cyan (100%)
- Magenta (38%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8271, 25.0938, 12.5023 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 13.8271, 25.0938, 12.5023 by changing the saturation by 10% instead.

■ 13.8271, 25.0938,
12.5023

■ 13.8271, 25.0938,
12.5023

209.6848,
278.3048, 218.7975

■ 8.0814, 16.1470,
6.9601

■ 32.3708, 51.8094,
31.0847

■ 4.1993, 9.6282,
3.3591

■ 45.8994, 70.3468,
44.9619

■ 1.8155, 5.1531,
1.2808

■ 62.7532, 92.8500,
62.4545

■ 0.5270, 2.3374,
0.0460

■ 83.2973, 119.7033,
83.9810

■ 0.0000, 0.7934,
0.0000

■ 107.8971,
151.2909, 109.9601

■ 0.0000, 0.0000,
0.0000

■ 136.9181,

187.9975, 140.8101

170.7255,
230.2073, 176.9498

■ 13.8271, 25.0938,
12.5023

■ 13.8271, 25.0938,
12.5023

■ 13.8275, 25.0947,
12.5020

■ 14.3435, 25.3254,
14.1211

■ 15.0536, 25.6526,
15.9131

■ 16.0307, 26.1136,
17.8867

■ 17.3054, 26.7242,
20.0478

■ 18.9041, 27.4979,
22.4018

■ 20.8499, 28.4466,
24.9539

■ 23.1641, 29.5810,
27.7089

■ 25.8657, 30.9110,
30.6715

■ 28.9729, 32.4457,
33.8464

Harmonies

Analogous

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



17.5018, 25.0938, 5.7150



13.8271, 25.0938, 12.5023



12.6850, 25.0938, 28.0705

Triad

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



13.8271, 25.0938, 12.5023



24.1106, 25.0938, 87.5885



37.4756, 25.0938, 11.7556

Complementary

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



13.8271, 25.0938, 12.5023



15.3375, 7.7641, 7.1705

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.



40.1717, 25.0938, 26.5886



13.8271, 25.0938, 12.5023



31.5751, 25.0938, 76.0062

Square

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



13.8271, 25.0938, 12.5023



17.8689, 25.0938, 77.4812



37.8264, 25.0938, 50.7716



31.0380, 25.0938, 5.4579

Rectangle

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



13.8271, 25.0938, 12.5023



13.2901, 25.0938, 43.8480



37.8264, 25.0938, 50.7716



38.9007, 25.0938, 15.5790

Sweetspot

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



13.8277, 25.0948, 12.5029



41.7965, 53.5854, 50.0110



15.2375, 26.0065, 4.2169



9.0317, 11.8887, 10.8187



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



13.8277, 25.0948, 12.5029



25.0079, 45.5295, 22.1667



17.9548, 26.0346, 36.4278



6.6907, 7.4570, 7.8059



11.0940, 20.1056, 10.1182



0.2197, 0.3680, 0.2930

Inverse Universe

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



15.3375, 7.7641, 7.1705



27.7523, 14.0590, 12.4976



14.1298, 7.3267, 0.6697



6.7559, 6.6953, 7.5655



12.3027, 6.2257, 5.8453



0.2412, 0.1198, 0.2162

Previews

White Background



This preview shows how the XYZ color 13.8271, 25.0938, 12.5023 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 13.8271, 25.0938, 12.5023 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

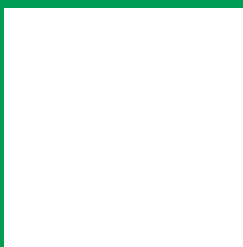
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8271, 25.0938, 12.5023

Background



This preview shows how black text looks on a background with the XYZ color 13.8271, 25.0938, 12.5023.



This preview shows how white text looks on a background with the XYZ color 13.8271, 25.0938,

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

13.8271, 25.0938, 12.5023

Protanopia

22.8278, 24.8972, 10.4400

Deuteranopia

25.1808, 24.6131, 13.3212



Tritanopia

19.0439, 25.0288, 37.5455

Trichromacy



Original Color

13.8271, 25.0938, 12.5023



Protanomaly

16.2560, 23.2482, 11.0277



Deuteranomaly

16.8485, 22.4038, 12.6689



Tritanomaly

16.2612, 24.5620, 26.0742

Monochromacy



Original Color

13.8271, 25.0938, 12.5023



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

11.2051, 15.8691, 13.2989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8271, 25.0938, 12.5023 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, 158, 84)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 84)  
}
```

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, 158, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 84) }
```

Border

The CSS property to change the border of an element to XYZ 13.8271, 25.0938, 12.5023 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, 158, 84) }
```


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

```
.border{ border-color:rgb(0, 158, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 84);  
box-shadow:4px 4px 4px 4px rgb(0, 158, 84)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.8271, 25.0938, 12.5023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 84) }
```

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

```
.background{ background-color: rgb(0, 158,  
84) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor