

Converting Colors

XYZ(13.2035, 24.9553, 8.8766)

Have a look what the booklet for
XYZ(13.2035, 24.9553, 8.8766)
contains.

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Color

**XYZ(13.1241, 24.8126,
8.8002)**

Conversions

Conversions Part 1

Format	Color
Hex	009E3F
RGB	0, 158, 63
RGB Percent	0%, 62%, 25%
CMY	1.0000, 0.3804, 0.7529
CMYK	1.00, 0.00, 0.60, 0.38
HSL	144°, 100%, 31%
HSV	144°, 100%, 62%
XYZ	13.1241, 24.8126, 8.8002
YIQ	99.9280, -63.6730, -63.0410

Conversions

Conversions Part 2

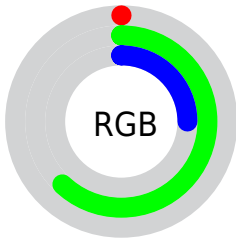
Format	Color
RYB	0, 113, 158
Decimal	40511
CIELab	56.89, -55.76, 39.20
CIELCh	57, 68.162, 144.888
Yxy	24.8126, 0.2808, 0.5309
Android (android.graphics.Color)	4278230591 (0xFF009E3F)
YUV	99.9280, -18.2055, -87.6369
Hunter-Lab	49.8122, -40.1418, 24.3940

Details

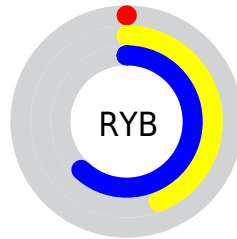
The XYZ color **13.1241, 24.8126, 8.8002** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **16.1671, 8.0959, 11.5390**, and the grayscale version is **12.1523, 12.7852, 13.9231**.

A 20% lighter version of the original color is **31.2037, 51.4319, 24.2023**, and **5.1064, 10.1251, 1.9724** is the 20% darker color. If you saturate the color by 10%, you get **13.1245, 24.8135, 8.8000**, and if you desaturate by 10%, it is **13.6239, 25.0376, 10.3320**.

Distribution



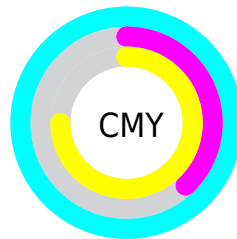
- Red (0%)
- Green (62%)
- Blue (25%)



- Red (0%)
- Yellow (44%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (38%)



- Cyan (100%)
- Magenta (38%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1241, 24.8126, 8.8002 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 13.1241, 24.8126, 8.8002 by changing the saturation by 10% instead.

■ 13.1241, 24.8126,
8.8002

■ 13.1241, 24.8126,
8.8002

205.3330,
276.9034, 192.0432

■ 7.5916, 15.9375,
4.5161

■ 31.1260, 51.3530,
24.0844

■ 3.8844, 9.4799,
1.9125

■ 44.3261, 69.7872,
35.9216

■ 1.6369, 5.0555,
0.5007

■ 60.8128, 92.1764,
51.1135

■ 0.4163, 2.2799,
0.0000

■ 80.9515, 118.9052,
70.0787

■ 0.0000, 0.7630,
0.0000

■ 105.1076,
150.3579, 93.2357

■ 0.0000, 0.0000,
0.0000

■ 133.6462,

186.9189, 121.0031

166.9329,
228.9726, 153.7994

■ 13.1241, 24.8126,
8.8002

■ 13.1241, 24.8126,
8.8002

■ 13.1245, 24.8135,
8.8000

■ 13.6239, 25.0376,
10.3320

■ 14.3340, 25.3647,
12.1238

■ 15.3287, 25.8328,
14.1903

■ 16.6398, 26.4580,
16.5430

■ 18.2946, 27.2542,
19.1928

■ 20.3174, 28.2336,
22.1499

■ 22.7301, 29.4074,
25.4239

■ 25.5528, 30.7858,
29.0241

■ 28.8044, 32.3783,
32.9594

Harmonies

Analogous

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



17.6958, 24.8126, 3.5420



13.1241, 24.8126, 8.8002



11.3612, 24.8126, 23.2864

Triad

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



13.1241, 24.8126, 8.8002



22.2424, 24.8126, 98.7113



40.4270, 24.8126, 12.4181

Complementary

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



13.1241, 24.8126, 8.8002



16.1671, 8.0959, 11.5390

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.



42.4130, 24.8126, 31.1255



13.1241, 24.8126, 8.8002



30.6510, 24.8126, 89.7286

Square

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



13.1241, 24.8126, 8.8002



15.8111, 24.8126, 81.2897



38.4997, 24.8126, 61.0076



33.5593, 24.8126, 4.6519

Rectangle

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



13.1241, 24.8126, 8.8002



11.6426, 24.8126, 39.9583



38.4997, 24.8126, 61.0076



41.7447, 24.8126, 17.2230

Sweetspot

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



13.1247, 24.8136, 8.8008



40.9968, 53.2655, 45.8001



17.2040, 27.0202, 4.3089



8.8345, 11.8099, 9.7803



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.



13.1247, 24.8136, 8.8008



23.7405, 45.0225, 15.4924



16.9294, 26.3355, 28.8360



6.6548, 7.4427, 7.6170



10.5294, 19.8797, 7.1448



0.2085, 0.3636, 0.2344

Inverse Universe

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



16.1671, 8.0959, 11.5390



29.2571, 14.6609, 20.4216



14.2140, 7.3147, 1.2541



6.7921, 6.7097, 7.7561



12.9673, 6.4915, 9.3449



0.2523, 0.1243, 0.2749

Previews

White Background



This preview shows how the XYZ color 13.1241, 24.8126, 8.8002 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 13.1241, 24.8126, 8.8002 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 13.1241, 24.8126, 8.8002

Background



This preview shows how black text looks on a background with the XYZ color 13.1241, 24.8126, 8.8002.



This preview shows how white text looks on a background with the XYZ color 13.1241, 24.8126,

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

13.1241, 24.8126, 8.8002

Protanopia

22.2805, 24.4732, 7.2909

Deuteranopia

24.7135, 24.2624, 9.3418



Tritanopia

18.9850, 24.7746, 37.0391

Trichromacy



Original Color

13.1241, 24.8126, 8.8002



Protanomaly

15.5865, 22.7491, 7.7072



Deuteranomaly

16.3653, 22.2377, 8.8986



Tritanomaly

15.8050, 24.3883, 23.2764

Monochromacy



Original Color

13.1241, 24.8126, 8.8002



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

10.6720, 15.4529, 11.4370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1241, 24.8126, 8.8002 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 63)  
}
```

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, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 63) }
```

Border

The CSS property to change the border of an element to XYZ 13.1241, 24.8126, 8.8002 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, 63) }
```


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

```
.border{ border-color:rgb(0, 158, 63) }
```

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, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 63);  
box-shadow:4px 4px 4px 4px rgb(0, 158, 63)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.1241, 24.8126, 8.8002 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, 63) }
```

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

```
.background{ background-color: rgb(0, 158,  
63) }
```

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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