

Converting Colors

XYZ(13.1001, 24.9292, 4.1214)

Have a look what the booklet for
XYZ(13.1001, 24.9292, 4.1214)
contains.

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Color

**XYZ(13.1019, 24.9048,
4.1166)**

Conversions

Conversions Part 1

Format	Color
Hex	289E00
RGB	40, 158, 0
RGB Percent	16%, 62%, 0%
CMY	0.8431, 0.3804, 0.9999
CMYK	0.75, 0.00, 1.00, 0.38
HSL	105°, 100%, 31%
HSV	105°, 100%, 62%
XYZ	13.1019, 24.9048, 4.1166
YIQ	104.7060, -19.6100, -74.1540

Conversions

Conversions Part 2

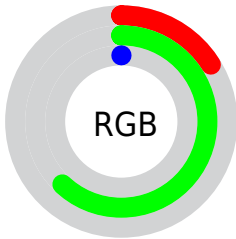
Format	Color
RYB	0, 158, 118
Decimal	2661888
CIELab	56.98, -56.29, 58.71
CIELCh	57, 81.335, 133.798
Yxy	24.9048, 0.3110, 0.5912
Android (android.graphics.Color)	4280851968 (0xFF289E00)
YUV	104.7060, -51.6201, -56.7472
Hunter-Lab	49.9047, -40.4701, 30.0425

Details

The XYZ color **13.1019, 24.9048, 4.1166** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **13.6457, 6.3219, 32.8501**, and the grayscale version is **13.4875, 14.1900, 15.4529**.

A 20% lighter version of the original color is **31.1278, 51.6122, 14.2828**, and **5.0516, 10.1032, 1.6839** is the 20% darker color. If you saturate the color by 10%, you get **13.1020, 24.9056, 4.1167**, and if you desaturate by 10%, it is **13.7254, 25.2164, 4.6268**.

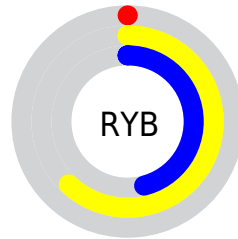
Distribution



Red (16%)

Green (62%)

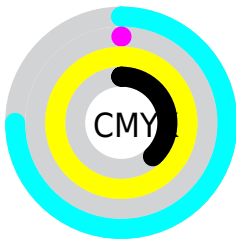
Blue (0%)



Red (0%)

Yellow (62%)

Blue (46%)

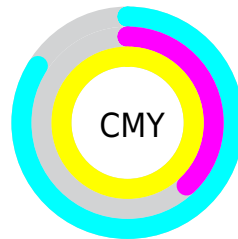


Cyan (75%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (84%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1019, 24.9048, 4.1166 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 13.1019, 24.9048, 4.1166 by changing the saturation by 10% instead.

■ 13.1019, 24.9048,
4.1166

■ 13.1019, 24.9048,
4.1166

205.1941,
277.3635, 149.5127

■ 7.5762, 16.0061,
1.6895

■ 31.0865, 51.5027,
14.2778

■ 3.8745, 9.5285,
0.3535

■ 44.2761, 69.9708,
22.8490

■ 1.6314, 5.0875,
0.0000

■ 60.7511, 92.3975,
34.3053

■ 0.4127, 2.2987,
0.0000

■ 80.8769, 119.1671,
49.0653


■ 0.0000, 0.7730,
0.0000


■ 105.0187,
150.6642, 67.5475


■ 0.0000, 0.0000,
0.0000


■ 133.5419,


187.2730, 90.1704


 166.8119,
229.3780, 117.3526


 13.1019, 24.9048,
4.1166


 13.1019, 24.9048,
4.1166

 13.1020, 24.9056,
4.1167

 13.7254, 25.2164,
4.6268

 14.5714, 25.6336,
5.5190

 15.6822, 26.1755,
6.9593

 17.0803, 26.8521,
9.0171

 18.7855, 27.6725,
11.7514

■ 20.8160, 28.6447,
15.2146

■ 23.1881, 29.7762,
19.4537

■ 25.9174, 31.0740,
24.5119

■ 29.0180, 32.5447,
30.4291

Harmonies

Analogous

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



19.5567, 24.9048, 1.3991



13.1019, 24.9048, 4.1166



10.0551, 24.9048, 14.9321

Triad

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



13.1019, 24.9048, 4.1166



18.9089, 24.9048, 115.4396



46.3539, 24.9048, 16.4099

Complementary

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



13.1019, 24.9048, 4.1166



13.6457, 6.3219, 32.8501

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.



46.0426, 24.9048, 44.5944



13.1019, 24.9048, 4.1166



28.3259, 24.9048, 116.9459

Square

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



13.1019, 24.9048, 4.1166



12.7381, 24.9048, 82.2206



38.7887, 24.9048, 85.5320



39.5507, 24.9048, 4.5767

Rectangle

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



13.1019, 24.9048, 4.1166



9.6708, 24.9048, 30.7515



38.7887, 24.9048, 85.5320



47.1244, 24.9048, 23.7810

Sweetspot

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



13.1025, 24.9058, 4.1172



41.8336, 53.9406, 34.8273



20.3319, 19.7309, 2.7373



9.0317, 11.9704, 7.1309



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.



13.1025, 24.9058, 4.1172



23.6343, 45.1453, 7.4683



12.5596, 24.5876, 5.8242



6.7003, 7.4781, 7.0759



10.5249, 19.9625, 3.2984



0.2236, 0.3752, 0.0606

Inverse Universe

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



13.6457, 6.3219, 32.8501



24.5864, 11.3801, 59.6442



17.5610, 8.6536, 18.8786



6.7401, 6.6700, 8.3389



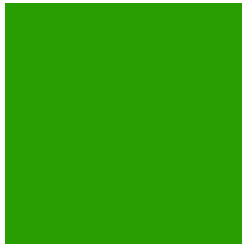
10.9653, 5.0818, 26.3102



0.2321, 0.1095, 0.4721

Previews

White Background



This preview shows how the XYZ color 13.1019, 24.9048, 4.1166 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 13.1019, 24.9048, 4.1166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

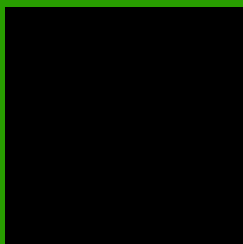
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.1019, 24.9048, 4.1166

Background



This preview shows how black text looks on a background with the XYZ color 13.1019, 24.9048, 4.1166.



This preview shows how white text looks on a background with the XYZ color 13.1019, 24.9048,

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

13.1019, 24.9048, 4.1166

Protanopia

21.9410, 24.3806, 3.5495

Deuteranopia

24.9336, 24.4739, 4.9232



Tritanopia

19.5934, 24.8665, 36.5679

Trichromacy



Original Color

13.1019, 24.9048, 4.1166

Protanomaly

16.6554, 23.3913, 3.6371

Deuteranomaly

17.6913, 23.0250, 4.2709

Tritanomaly

15.4022, 24.0969, 16.1513

Monochromacy



Original Color

13.1019, 24.9048, 4.1166

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

11.6141, 16.5699, 7.8964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1019, 24.9048, 4.1166 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(40, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(40, 158, 0)  
}
```

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(40, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 158, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.1019, 24.9048, 4.1166 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(40, 158, 0) }
```


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

```
.border{ border-color:rgb(40, 158, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 158, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(40, 158, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.1019, 24.9048, 4.1166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 158, 0) }
```

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

```
.background{ background-color: rgb(40, 158,  
0) }
```

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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