

Converting Colors

XYZ(12.9742, 25.2919, 4.1980)

Have a look what the booklet for
XYZ(12.9742, 25.2919, 4.1980)
contains.

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Color

**XYZ(13.0228, 25.3746,
4.2114)**

Conversions

Conversions Part 1

Format	Color
Hex	1BA000
RGB	27, 160, 0
RGB Percent	11%, 63%, 0%
CMY	0.8941, 0.3725, 0.9999
CMYK	0.83, 0.00, 1.00, 0.37
HSL	110°, 100%, 31%
HSV	110°, 100%, 63%
XYZ	13.0228, 25.3746, 4.2114
YIQ	101.9930, -27.9080, -77.9560

Conversions

Conversions Part 2

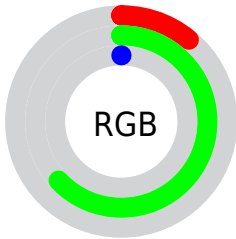
Format	Color
RYB	0, 160, 133
Decimal	1810432
CIELab	57.44, -58.78, 58.98
CIELCh	57, 83.270, 134.902
Yxy	25.3746, 0.3056, 0.5955
Android (android.graphics.Color)	4280000512 (0xFF1BA000)
YUV	101.9930, -50.2825, -65.7689
Hunter-Lab	50.3732, -42.0062, 30.3044

Details

The XYZ color **13.0228, 25.3746, 4.2114** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **16.0209, 7.5263, 33.8673**, and the grayscale version is **12.7610, 13.4256, 14.6205**.

A 20% lighter version of the original color is **30.9487, 52.2760, 14.4203**, and **5.2577, 10.5154, 1.7526** is the 20% darker color. If you saturate the color by 10%, you get **13.0230, 25.3755, 4.2116**, and if you desaturate by 10%, it is **13.5518, 25.6373, 4.7250**.

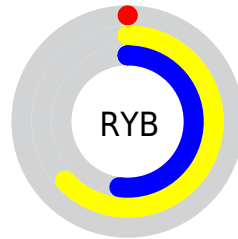
Distribution



Red (11%)

Green (63%)

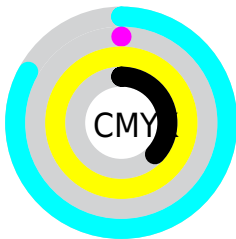
Blue (0%)



Red (0%)

Yellow (63%)

Blue (52%)

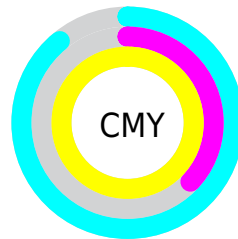


Cyan (83%)

Magenta (0%)

Yellow (100%)

Black (37%)



Cyan (89%)

Magenta (37%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0228, 25.3746, 4.2114 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 13.0228, 25.3746, 4.2114 by changing the saturation by 10% instead.

■ 13.0228, 25.3746,
4.2114

■ 13.0228, 25.3746,
4.2114

204.6984,
279.6984, 150.5469

■ 7.5214, 16.3564,
1.7420

■ 30.9457, 52.2643,
14.4944

■ 3.8394, 9.7767,
0.3893

■ 44.0979, 70.9045,
23.1452

■ 1.6117, 5.2511,
0.0000

■ 60.5310, 93.5209,
34.6935

■ 0.4000, 2.3954,
0.0000

■ 80.6104, 120.4978,
49.5578


■ 0.0000, 0.8235,
0.0000


■ 104.7015,
152.2196, 68.1568


■ 0.0000, 0.0000,
0.0000


■ 133.1697,


189.0707, 90.9090


 166.3802,
231.4355, 118.2328


 13.0228, 25.3746,
4.2114


 13.0228, 25.3746,
4.2114


 13.0230, 25.3755,
4.2116

 13.5518, 25.6373,
4.7250

 14.3323, 26.0203,
5.6345

 15.4133, 26.5460,
7.1094

 16.8228, 27.2274,
9.2214

 18.5855, 28.0757,
12.0319

■ 20.7237, 29.1014,
15.5948

■ 23.2578, 30.3137,
19.9590

■ 26.2065, 31.7216,
25.1691

■ 29.5877, 33.3332,
31.2664

Harmonies

Analogous

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



19.5467, 25.3746, 1.3377



13.0228, 25.3746, 4.2114



10.0137, 25.3746, 15.7238

Triad

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



13.0228, 25.3746, 4.2114



19.4922, 25.3746, 120.7445



47.5826, 25.3746, 15.8477

Complementary

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



13.0228, 25.3746, 4.2114



16.0209, 7.5263, 33.8673

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.



47.5561, 25.3746, 44.3976



13.0228, 25.3746, 4.2114



29.3511, 25.3746, 120.8734

Square

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



13.0228, 25.3746, 4.2114



12.9923, 25.3746, 86.7334



40.2025, 25.3746, 87.0161



40.2672, 25.3746, 4.2491

Rectangle

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



13.0228, 25.3746, 4.2114



9.6903, 25.3746, 32.5533



40.2025, 25.3746, 87.0161



48.4857, 25.3746, 23.2275

Sweetspot

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



13.0234, 25.3757, 4.2120



41.9373, 54.9001, 35.7317



22.5701, 23.6184, 3.3696



8.7838, 11.8426, 7.1193



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.



13.0234, 25.3757, 4.2120



23.5274, 46.0121, 7.6412



13.1619, 25.3789, 7.2996



6.6499, 7.4522, 7.0736



10.1712, 19.7802, 3.2819



0.2074, 0.3668, 0.0599

Inverse Universe

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



16.0209, 7.5263, 33.8673



28.9384, 13.5874, 61.4839



17.2766, 8.5856, 15.3106



6.7943, 6.6979, 8.3414



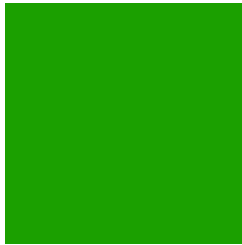
12.5111, 5.8787, 26.3825



0.2502, 0.1188, 0.4730

Previews

White Background



This preview shows how the XYZ color 13.0228, 25.3746, 4.2114 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 13.0228, 25.3746, 4.2114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

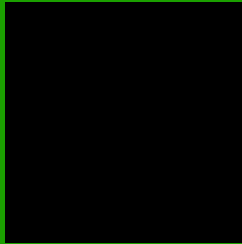
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.0228, 25.3746, 4.2114

Background



This preview shows how black text looks on a background with the XYZ color 13.0228, 25.3746, 4.2114.



This preview shows how white text looks on a background with the XYZ color 13.0228, 25.3746,

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

13.0228, 25.3746, 4.2114

Protanopia

22.4632, 24.8599, 3.6145

Deuteranopia

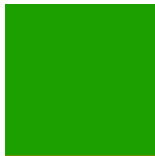
25.2993, 24.8573, 5.0546



Tritanopia

19.7790, 25.4077, 37.5799

Trichromacy



Original Color

13.0228, 25.3746, 4.2114



Protanomaly

16.3097, 23.4389, 3.6646



Deuteranomaly

17.2774, 23.0296, 4.2936



Tritanomaly

15.3651, 24.5540, 16.4999

Monochromacy



Original Color

13.0228, 25.3746, 4.2114



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

10.9387, 16.0434, 7.5212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0228, 25.3746, 4.2114 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(27, 160, 0)` looks like.

```
.text, #text, p{  
    color:rgb(27, 160, 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(27, 160, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 160, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.0228, 25.3746, 4.2114 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(27, 160, 0) }
```


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

```
.border{ border-color:rgb(27, 160, 0) }
```

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

Here you see how a box with a 4 pixel rgb(27, 160, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 160, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 160, 0);  
box-shadow:4px 4px 4px 4px rgb(27, 160, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.0228, 25.3746, 4.2114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 160, 0) }
```

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

```
.background{ background-color: rgb(27, 160,  
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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