

Converting Colors

XYZ(13.1060, 25.7740, 4.6616)

Have a look what the booklet for
XYZ(13.1060, 25.7740, 4.6616)
contains.

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Color

**XYZ(13.0312, 25.6290,
4.6408)**

Conversions

Conversions Part 1

Format	Color
Hex	10A10D
RGB	16, 161, 13
RGB Percent	6%, 63%, 5%
CMY	0.9373, 0.3686, 0.9490
CMYK	0.90, 0.00, 0.92, 0.37
HSL	119°, 85%, 34%
HSV	119°, 92%, 63%
XYZ	13.0312, 25.6290, 4.6408
YIQ	100.7730, -38.9120, -76.7680

Conversions

Conversions Part 2

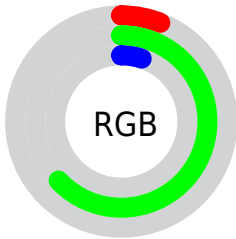
Format	Color
RYB	13, 161, 158
Decimal	1089805
CIELab	57.68, -59.78, 57.18
CIELCh	58, 82.721, 136.274
Yxy	25.6290, 0.3009, 0.5919
Android (android.graphics.Color)	4279279885 (0xFF10A10D)
YUV	100.7730, -43.2721, -74.3459
Hunter-Lab	50.6251, -42.6470, 30.0025

Details

The XYZ color **13.0312, 25.6290, 4.6408** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **20.6808, 10.1320, 34.5853**, and the grayscale version is **12.4270, 13.0742, 14.2378**.

A 20% lighter version of the original color is **30.9412, 52.6343, 15.3661**, and **5.3626, 10.7251, 1.7875** is the 20% darker color. If you saturate the color by 10%, you get **12.7861, 25.5118, 4.2504**, and if you desaturate by 10%, it is **13.5572, 25.8836, 5.4511**.

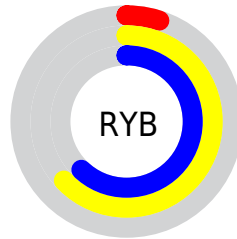
Distribution



Red (6%)

Green (63%)

Blue (5%)



Red (5%)

Yellow (63%)

Blue (62%)

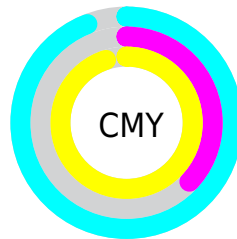


Cyan (90%)

Magenta (0%)

Yellow (92%)

Black (37%)



Cyan (94%)


Magenta (37%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.0312, 25.6290, 4.6408 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 13.0312, 25.6290, 4.6408 by changing the saturation by 10% instead.


 13.0312, 25.6290,
4.6408


 13.0312, 25.6290,
4.6408


204.7511,
280.9561, 155.1018


 7.5272, 16.5463,
1.9831


 30.9607, 52.6758,
15.4626


 3.8432, 9.9115,
0.5448


 44.1168, 71.4087,
24.4637


 1.6138, 5.3403,
0.0000

 60.5544, 94.1272,
36.4164

 0.4014, 2.4483,
0.0000

 80.6388, 121.2155,
51.7391


 0.0000, 0.8506,
0.0000


 104.7352,
153.0582, 70.8505


 0.0000, 0.0000,
0.0000


 133.2092,


190.0396, 94.1690


 166.4261,
232.5441, 122.1133


 13.0312, 25.6290,
4.6408


 13.0312, 25.6290,
4.6408

 12.7861, 25.5118,
4.2504

 13.5572, 25.8836,
5.4511

 14.4209, 26.2994,
6.8202

 15.6668, 26.8986,
8.8252

 17.3323, 27.6990,
11.5306

 19.4503, 28.7165,
14.9929

■ 22.0504, 29.9650,
19.2631

■ 25.1598, 31.4578,
24.3875

■ 28.8036, 33.2067,
30.4091

■ 33.0053, 35.2231,
37.3678

Harmonies

Analogous

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



19.4056, 25.6290, 1.4709



13.0312, 25.6290, 4.6408



10.1531, 25.6290, 16.8665

Triad

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



13.0312, 25.6290, 4.6408



20.1166, 25.6290, 121.4200



47.5799, 25.6290, 15.2477

Complementary

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



13.0312, 25.6290, 4.6408



20.6808, 10.1320, 34.5853

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.



47.9229, 25.6290, 42.9416



13.0312, 25.6290, 4.6408



30.0922, 25.6290, 119.7557

Square

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



13.0312, 25.6290, 4.6408



13.4296, 25.6290, 88.7426



40.8659, 25.6290, 85.0877



40.0268, 25.6290, 4.1416

Rectangle

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



13.0312, 25.6290, 4.6408



9.9153, 25.6290, 34.2967



40.8659, 25.6290, 85.0877



48.6006, 25.6290, 22.3623

Sweetspot

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



13.0318, 25.6301, 4.6414



41.2738, 54.5196, 37.4357



26.6715, 31.4069, 5.0375



8.5858, 11.7332, 7.4429



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.



13.0318, 25.6301, 4.6414



22.8779, 45.6773, 7.6108



14.4373, 26.1868, 12.2910



6.9982, 7.9015, 7.5364



10.2157, 20.3769, 3.3947



0.2184, 0.4301, 0.0715

Inverse Universe

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



20.6808, 10.1320, 34.5853



36.6641, 17.5702, 61.8455



16.7718, 8.6372, 10.8946



7.3501, 7.1949, 8.9044



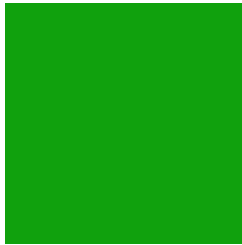
16.3645, 7.8427, 27.5811



0.3480, 0.1669, 0.5797

Previews

White Background



This preview shows how the XYZ color 13.0312, 25.6290, 4.6408 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 13.0312, 25.6290, 4.6408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

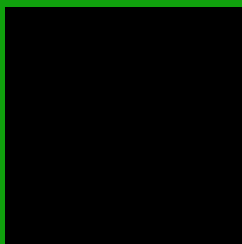
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.0312, 25.6290, 4.6408

Background



This preview shows how black text looks on a background with the XYZ color 13.0312, 25.6290, 4.6408.



This preview shows how white text looks on a background with the XYZ color 13.0312, 25.6290,

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

13.0312, 25.6290, 4.6408

Protanopia

22.6060, 25.1455, 3.6621

Deuteranopia

25.6838, 25.2504, 5.2704



Tritanopia

19.8822, 25.6865, 38.0925

Trichromacy



Original Color

13.0312, 25.6290, 4.6408



Protanomaly

16.0152, 23.5118, 3.8377



Deuteranomaly

17.0851, 23.1428, 4.6651



Tritanomaly

15.5778, 24.8720, 18.1671

Monochromacy



Original Color

13.0312, 25.6290, 4.6408



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

10.6829, 15.8977, 8.1357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0312, 25.6290, 4.6408 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(16, 161, 13)` looks like.

```
.text, #text, p{  
    color:rgb(16, 161, 13)  
}
```

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(16, 161, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 161, 13) }
```

Border

The CSS property to change the border of an element to XYZ 13.0312, 25.6290, 4.6408 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(16, 161, 13) }
```


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

```
.border{ border-color:rgb(16, 161, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 161, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 161, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 161, 13);  
box-shadow:4px 4px 4px 4px rgb(16, 161,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0312, 25.6290, 4.6408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 161, 13) }
```

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

```
.background{ background-color: rgb(16, 161,  
13) }
```

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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