

Converting Colors

XYZ(13.0667, 16.0409, 2.7693)

Have a look what the booklet for
XYZ(13.0667, 16.0409, 2.7693)
contains.

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Color

**XYZ(12.9938, 15.9621,
2.7440)**

Conversions

Conversions Part 1

Format	Color
Hex	70740C
RGB	112, 116, 12
RGB Percent	44%, 45%, 5%
CMY	0.5608, 0.5451, 0.9529
CMYK	0.03, 0.00, 0.90, 0.55
HSL	62°, 81%, 25%
HSV	62°, 90%, 45%
XYZ	12.9938, 15.9621, 2.7440
YIQ	102.9480, 31.0000, -33.1920

Conversions

Conversions Part 2

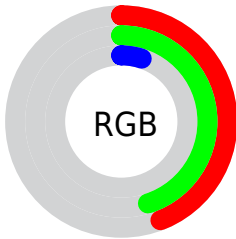
Format	Color
R_{YB}	12, 116, 16
Decimal	7369740
CIE Lab	46.92, -13.65, 49.85
CIE LCh	47, 51.690, 105.315
Yxy	15.9621, 0.4099, 0.5035
Android (android.graphics.Color)	4285559820 (0xFF70740C)
YUV	102.9480, -44.8374, 7.9386
Hunter-Lab	39.9526, -11.8634, 23.8947

Details

The XYZ color **12.9938, 15.9621, 2.7440** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.4980, 1.6344, 16.6552**, and the grayscale version is **12.9880, 13.6644, 14.8805**.

A 20% lighter version of the original color is **31.0132, 36.6504, 11.0699**, and **3.9916, 5.1263, 0.7791** is the 20% darker color. If you saturate the color by 10%, you get **12.8733, 15.9079, 2.4037**, and if you desaturate by 10%, it is **13.1456, 16.0300, 3.2442**.

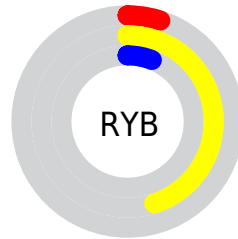
Distribution



Red (44%)

Green (45%)

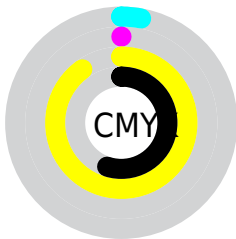
Blue (5%)



Red (5%)

Yellow (45%)

Blue (6%)

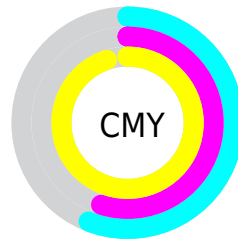


Cyan (3%)

Magenta (0%)

Yellow (90%)

Black (55%)



Cyan (56%)


Magenta (55%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.9938, 15.9621, 2.7440 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 12.9938, 15.9621, 2.7440 by changing the saturation by 10% instead.


 12.9938, 15.9621,
2.7440


 12.9938, 15.9621,
2.7440

204.5163,
229.1180, 133.0302


 7.5012, 9.4973,
0.9655


 30.8941, 36.5324,
10.9899

 3.8266, 5.0670,
0.0000

 44.0325, 51.4067,
18.2944


 1.6045, 2.2866,
0.0000

 60.4502, 69.8530,
28.2779

 0.3953, 0.7666,
0.0000


 80.5126, 92.2557,
41.3590


 0.0000, 0.0000,
0.0000


 104.5851,
118.9991, 57.9563


 133.0330,


150.4677, 78.4882


 166.2216,
187.0459, 103.3733


 12.9938, 15.9621,
2.7440


 12.9938, 15.9621,
2.7440


 12.8733, 15.9079,
2.4037


 13.1456, 16.0300,
3.2442

 12.8691, 15.9060,
2.3919

 13.3485, 16.1178,
4.0138

 13.6088, 16.2285,
5.0842

 13.9316, 16.3643,
6.4821

 14.3213, 16.5269,
8.2310

■ 14.7821, 16.7180,
10.3527

■ 15.3177, 16.9390,
12.8669

■ 15.9316, 17.1914,
15.7921

■ 16.6271, 17.4765,
19.1454

Harmonies

Analogous

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



17.4783, 15.9621, 2.7234



12.9938, 15.9621, 2.7440



9.8023, 15.9621, 5.1103

Triad

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



12.9938, 15.9621, 2.7440



9.8528, 15.9621, 41.7007



25.2041, 15.9621, 24.4685

Complementary

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



12.9938, 15.9621, 2.7440



3.4980, 1.6344, 16.6552

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.



22.2120, 15.9621, 41.3551



12.9938, 15.9621, 2.7440



13.0772, 15.9621, 54.1868

Square

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



12.9938, 15.9621, 2.7440



8.2491, 15.9621, 24.8019



17.5799, 15.9621, 54.0359



25.1694, 15.9621, 11.6096

Rectangle

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



12.9938, 15.9621, 2.7440



8.5761, 15.9621, 8.9329



17.5799, 15.9621, 54.0359



24.4964, 15.9621, 29.9556

Sweetspot

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



12.9942, 15.9628, 2.7443



26.1570, 29.4575, 19.0102



7.4469, 4.0950, 0.7460



6.1847, 7.0046, 4.2772



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.9942, 15.9628, 2.7443



22.5949, 27.9452, 4.2031



8.2084, 13.4957, 2.5204



3.9534, 4.2594, 3.9561



14.4375, 17.8472, 2.6839



70.1838, 86.8829, 13.0710

Inverse Universe

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



3.4980, 1.6344, 16.6552



5.6139, 2.2539, 29.1837



5.6314, 2.7342, 16.7550



3.5125, 3.5960, 4.5992



3.5967, 1.4455, 18.6320



17.3601, 6.9580, 90.7883

Previews

White Background



This preview shows how the XYZ color 12.9938, 15.9621, 2.7440 looks on a white 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

Black Background



This preview shows how the XYZ color 12.9938, 15.9621, 2.7440 looks on a black 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

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

XYZ 12.9938, 15.9621, 2.7440

Background



This preview shows how black text looks on a background with the XYZ color 12.9938, 15.9621, 2.7440.



This preview shows how white text looks on a background with the XYZ color 12.9938, 15.9621,

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

12.9938, 15.9621, 2.7440

Protanopia

14.3064, 15.9702, 2.6157

Deuteranopia

16.1046, 15.9377, 2.9369



Tritanopia

16.2607, 15.9791, 18.7503

Trichromacy



Original Color

12.9938, 15.9621, 2.7440

Protanomaly

13.7113, 15.8275, 2.6490

Deuteranomaly

14.8910, 15.9414, 2.8644

Tritanomaly

14.3957, 15.7008, 9.4796

Monochromacy



Original Color

12.9938, 15.9621, 2.7440

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.4119, 14.2315, 7.8871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9938, 15.9621, 2.7440 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(112, 116, 12)` looks like.

```
.text, #text, p{  
    color:rgb(112, 116, 12)  
}
```

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(112, 116, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 116, 12) }
```

Border

The CSS property to change the border of an element to XYZ 12.9938, 15.9621, 2.7440 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(112, 116, 12) }
```


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

```
.border{ border-color:rgb(112, 116, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 116, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 116, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 116, 12);  
box-shadow:4px 4px 4px 4px rgb(112, 116,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9938, 15.9621, 2.7440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 116, 12) }
```

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

```
.background{ background-color: rgb(112,  
116, 12) }
```

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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