

Converting Colors

XYZ(13.2012, 18.9474, 7.8119)

Have a look what the booklet for
XYZ(13.2012, 18.9474, 7.8119)
contains.

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Color

**XYZ(13.2012, 18.9474,
7.8119)**

Conversions

Conversions Part 1

Format	Color
Hex	588440
RGB	88, 132, 64
RGB Percent	35%, 52%, 25%
CMY	0.6549, 0.4823, 0.7490
CMYK	0.33, 0.00, 0.52, 0.48
HSL	99°, 35%, 38%
HSV	99°, 52%, 52%
XYZ	13.2012, 18.9474, 7.8119
YIQ	111.0920, -4.3960, -30.4760

Conversions

Conversions Part 2

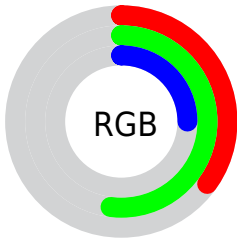
Format	Color
RYB	64, 132, 108
Decimal	5801024
CIELab	50.63, -28.24, 31.77
CIELCh	51, 42.505, 131.639
Yxy	18.9474, 0.3304, 0.4742
Android (android.graphics.Color)	4283991104 (0xFF588440)
YUV	111.0920, -23.2164, -20.2517
Hunter-Lab	43.5286, -22.0402, 19.8295

Details

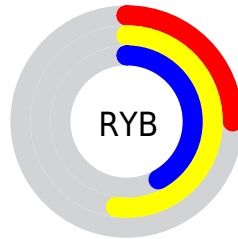
The XYZ color **13.2012, 18.9474, 7.8119** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.1834, 8.5214, 22.8335**, and the grayscale version is **15.2028, 15.9945, 17.4180**.

A 20% lighter version of the original color is **31.1448, 41.4656, 21.9849**, and **3.9178, 6.4871, 1.5760** is the 20% darker color. If you saturate the color by 10%, you get **12.1076, 18.4226, 6.0268**, and if you desaturate by 10%, it is **14.4795, 19.5583, 10.0706**.

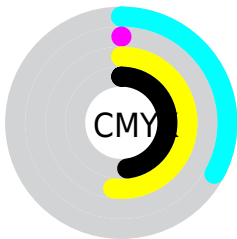
Distribution



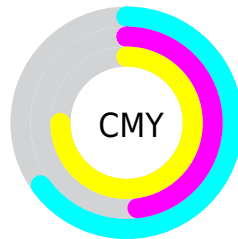
- Red (35%)
- Green (52%)
- Blue (25%)



- Red (25%)
- Yellow (52%)
- Blue (42%)



- Cyan (33%)
- Magenta (0%)
- Yellow (52%)
- Black (48%)



- Cyan (65%)
- Magenta (48%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2012, 18.9474, 7.8119 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 13.2012, 18.9474, 7.8119 by changing the saturation by 10% instead.

■ 13.2012, 18.9474,
7.8119

■ 13.2012, 18.9474,
7.8119

205.8148,
246.1582, 184.1283

■ 7.6452, 11.6323,
3.8888

■ 31.2630, 41.6452,
22.1289

■ 3.9187, 6.4938,
1.5645

■ 44.4996, 57.7967,
33.3599

■ 1.6562, 3.1476,
0.2653

■ 61.0270, 77.6624,
47.8639

■ 0.4286, 1.2093,
0.0000

■ 81.2106, 101.6267,
66.0595

■ 0.0000, 0.0693,
0.0000

■ 105.4159,
130.0741, 88.3651

■ 0.0000, 0.0000,
0.0000

■ 134.0081,

163.3888, 115.1995

167.3526,
201.9554, 146.9810

■ 13.2012, 18.9474,
7.8119

■ 13.2012, 18.9474,
7.8119

■ 12.1076, 18.4226,
6.0268

■ 14.4795, 19.5583,
10.0706

■ 11.1876, 17.9771,
4.6805

■ 15.9498, 20.2567,
12.8322

■ 10.4310, 17.6072,
3.7349

■ 17.6210, 21.0471,
16.1249

■ 9.8256, 17.3076,
3.1456

■ 19.5007, 21.9328,
19.9746

■ 9.4049, 17.0978,
2.8045

■ 21.5962, 22.9172,
24.4054

■ 23.9144, 24.0032,
29.4401

■ 26.4618, 25.1938,
35.1002

■ 29.2449, 26.4919,
41.4062

■ 32.2697, 27.9000,
48.3775

Harmonies

Analogous

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



16.4434, 18.9474, 5.3471



13.2012, 18.9474, 7.8119



11.4357, 18.9474, 14.2246

Triad

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



13.2012, 18.9474, 7.8119



15.6056, 18.9474, 50.8927



27.0313, 18.9474, 16.3467

Complementary

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



13.2012, 18.9474, 7.8119



12.1834, 8.5214, 22.8335

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.



26.7144, 18.9474, 28.7182



13.2012, 18.9474, 7.8119



19.6708, 18.9474, 52.1722

Square

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



13.2012, 18.9474, 7.8119



12.6694, 18.9474, 39.8944



23.8617, 18.9474, 42.9152



24.6706, 18.9474, 8.8486

Rectangle

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



13.2012, 18.9474, 7.8119



11.1400, 18.9474, 21.2923



23.8617, 18.9474, 42.9152



27.2431, 18.9474, 19.9825

Sweetspot

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



13.2017, 18.9482, 7.8123



33.0399, 38.0166, 32.4747



15.7065, 15.8058, 7.0737



7.5528, 8.7853, 7.2747



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.2017, 18.9482, 7.8123



21.0008, 32.2927, 10.1156



11.5710, 18.0753, 9.1943



4.7599, 5.2788, 4.9974



9.1114, 16.5570, 2.7156



0.0389, 0.0612, 0.0098

Inverse Universe

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



12.1834, 8.5214, 22.8335



18.9690, 11.7309, 39.7177



14.9208, 10.0012, 19.8619



4.7026, 4.6828, 5.8568



7.7025, 3.5049, 21.4072



0.0346, 0.0162, 0.0745

Previews

White Background



This preview shows how the XYZ color 13.2012, 18.9474, 7.8119 looks on a white background.

Color Contrast Check

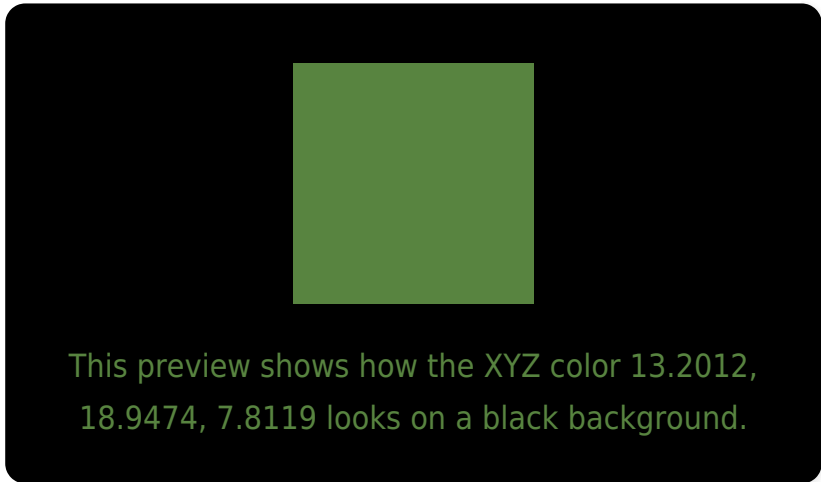
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 13.2012, 18.9474, 7.8119

Background



This preview shows how black text looks on a background with the XYZ color 13.2012, 18.9474, 7.8119.



This preview shows how white text looks on a background with the XYZ color 13.2012, 18.9474,

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

13.2012, 18.9474, 7.8119

Protanopia

17.2049, 18.7457, 6.9865

Deuteranopia

19.0282, 18.7898, 8.0927



Tritanopia

16.6563, 18.7892, 25.3030

Trichromacy



Original Color

13.2012, 18.9474, 7.8119

Protanomaly

15.3861, 18.5341, 7.1814

Deuteranomaly

16.3079, 18.4400, 8.0099

Tritanomaly

15.0690, 18.7158, 17.2863

Monochromacy



Original Color

13.2012, 18.9474, 7.8119

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.2107, 16.8854, 13.0999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2012, 18.9474, 7.8119 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(88, 132, 64)` looks like.

```
.text, #text, p{  
    color:rgb(88, 132, 64)  
}
```

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(88, 132, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 132, 64) }
```

Border

The CSS property to change the border of an element to XYZ 13.2012, 18.9474, 7.8119 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(88, 132, 64) }
```


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

```
.border{ border-color:rgb(88, 132, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 132, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 132, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 132, 64);  
box-shadow:4px 4px 4px 4px rgb(88, 132,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2012, 18.9474, 7.8119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 132, 64) }
```

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

```
.background{ background-color: rgb(88, 132,  
64) }
```

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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