

Converting Colors

XYZ(12.6138, 15.1260, 7.4279)

Have a look what the booklet for
XYZ(12.6138, 15.1260, 7.4279)
contains.

XYZ(12.5974, 15.1467, 7.4139)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.5974, 15.1467,
7.4139)**

Conversions

Conversions Part 1

Format	Color
Hex	687142
RGB	104, 113, 66
RGB Percent	41%, 44%, 26%
CMY	0.5922, 0.5568, 0.7412
CMYK	0.08, 0.00, 0.42, 0.56
HSL	71°, 26%, 35%
HSV	71°, 42%, 44%
XYZ	12.5974, 15.1467, 7.4139
YIQ	104.9510, 9.7230, -16.5250

Conversions

Conversions Part 2

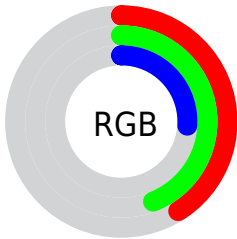
Format	Color
RYB	66, 113, 75
Decimal	6844738
CIELab	45.83, -11.60, 24.94
CIElCh	46, 27.507, 114.942
Yxy	15.1467, 0.3583, 0.4308
Android (android.graphics.Color)	4285034818 (0xFF687142)
YUV	104.9510, -19.2028, -0.8340
Hunter-Lab	38.9188, -10.3301, 15.9486

Details

The XYZ color **12.5974, 15.1467, 7.4139** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.8311, 6.5850, 16.4820**, and the grayscale version is **13.4628, 14.1639, 15.4245**.

A 20% lighter version of the original color is **30.2599, 35.2160, 21.4222**, and **3.6565, 4.6755, 1.4192** is the 20% darker color. If you saturate the color by 10%, you get **12.0487, 14.8991, 5.8177**, and if you desaturate by 10%, it is **13.2191, 15.4253, 9.3578**.

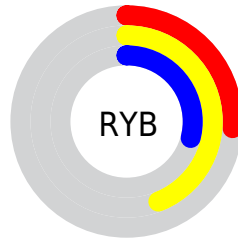
Distribution



Red (41%)

Green (44%)

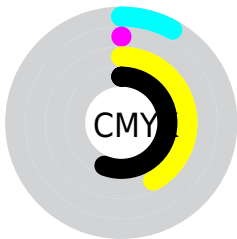
Blue (26%)



Red (26%)

Yellow (44%)

Blue (29%)

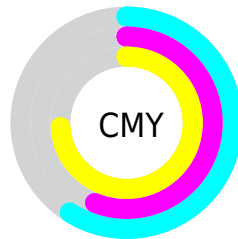


Cyan (8%)

Magenta (0%)

Yellow (42%)

Black (56%)



Cyan (59%)

Magenta (56%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5974, 15.1467, 7.4139 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 12.5974, 15.1467, 7.4139 by changing the saturation by 10% instead.

■ 12.5974, 15.1467,
7.4139

■ 12.5974, 15.1467,
7.4139

202.0113,
224.2524, 180.8193

■ 7.2270, 8.9224,
3.6399

■ 30.1861, 35.1103,
21.3280

■ 3.6520, 4.6906,
1.4300

■ 43.1351, 49.6185,
32.3053

■ 1.5072, 2.0669,
0.1649

■ 59.3409, 67.6567,
46.5207

■ 0.3307, 0.6459,
0.0000

■ 79.1691, 89.6093,
64.3928

■ 0.0000, 0.0000,
0.0000

■ 102.9848,
115.8608, 86.3402

■ 131.1535,

146.7956, 112.7814

164.0406,
182.7980, 144.1349

■ 12.5974, 15.1467,
7.4139

■ 12.5974, 15.1467,
7.4139

■ 12.0487, 14.8991,
5.8177

■ 13.2191, 15.4253,
9.3578

■ 11.5681, 14.6789,
4.5478

■ 13.9164, 15.7344,
11.6674

■ 11.1514, 14.4851,
3.5818

■ 14.6930, 16.0759,
14.3604

■ 10.7938, 14.3156,
2.8941

■ 15.5521, 16.4512,
17.4532

■ 10.4896, 14.1682,
2.4547

■ 16.4966, 16.8615,
20.9613

■ 10.2551, 14.0533,
2.1721

■ 17.5293, 17.3078,
24.8992

■ 18.6530, 17.7912,
29.2809

■ 19.8702, 18.3129,
34.1196

■ 21.1833, 18.8737,
39.4280

Harmonies

Analogous

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



14.7930, 15.1467, 6.7643



12.5974, 15.1467, 7.4139



11.0473, 15.1467, 10.1926

Triad

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



12.5974, 15.1467, 7.4139



11.9849, 15.1467, 29.3042



19.3086, 15.1467, 17.6434

Complementary

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



12.5974, 15.1467, 7.4139



7.8311, 6.5850, 16.4820

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.



18.3621, 15.1467, 24.9653



12.5974, 15.1467, 7.4139



14.0071, 15.1467, 32.7563

Square

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



12.5974, 15.1467, 7.4139



10.7212, 15.1467, 22.4825



16.3592, 15.1467, 30.9865



18.8282, 15.1467, 11.6733

Rectangle

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



12.5974, 15.1467, 7.4139



10.5068, 15.1467, 13.3931



16.3592, 15.1467, 30.9865



19.1441, 15.1467, 20.0359

Sweetspot

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



12.5978, 15.1474, 7.4142



26.2029, 28.7387, 25.3387



10.2841, 8.8848, 6.3274



6.0294, 6.6329, 5.7531



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.5978, 15.1474, 7.4142



21.5978, 26.6887, 10.4828



10.2724, 13.9486, 7.3054



3.5823, 3.8855, 3.6345



11.6167, 15.9323, 2.4630



57.1788, 79.0108, 12.2370

Inverse Universe

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



7.8311, 6.5850, 16.4820



11.8183, 9.1062, 29.1103



9.9790, 7.6922, 16.5825



3.2718, 3.3284, 4.2242



3.7335, 1.5341, 17.8209



18.0326, 7.3505, 88.7475

Previews

White Background



This preview shows how the XYZ color 12.5974, 15.1467, 7.4139 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 12.5974, 15.1467, 7.4139 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

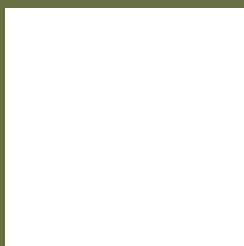
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.5974, 15.1467, 7.4139

Background



This preview shows how black text looks on a background with the XYZ color 12.5974, 15.1467, 7.4139.



This preview shows how white text looks on a background with the XYZ color 12.5974, 15.1467,

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

12.5974, 15.1467, 7.4139

Protanopia

13.8957, 15.0172, 7.0167

Deuteranopia

15.3538, 15.1433, 7.5826



Tritanopia

14.8405, 15.0913, 18.6537

Trichromacy



Original Color

12.5974, 15.1467, 7.4139

Protanomaly

13.4695, 15.1109, 7.2078

Deuteranomaly

14.1560, 14.9856, 7.4566

Tritanomaly

13.8576, 15.0073, 13.7216

Monochromacy



Original Color

12.5974, 15.1467, 7.4139

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.0766, 14.4837, 12.0040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5974, 15.1467, 7.4139 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(104, 113, 66)` looks like.

```
.text, #text, p{  
    color:rgb(104, 113, 66)  
}
```

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(104, 113, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 113, 66) }
```

Border

The CSS property to change the border of an element to XYZ 12.5974, 15.1467, 7.4139 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(104, 113, 66) }
```


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

```
.border{ border-color:rgb(104, 113, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 113, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 113, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 113, 66);  
box-shadow:4px 4px 4px 4px rgb(104, 113,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5974, 15.1467, 7.4139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 113, 66) }
```

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

```
.background{ background-color: rgb(104,  
113, 66) }
```

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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