

Converting Colors

XYZ(15.5083, 15.2073, 19.0402)

Have a look what the booklet for
XYZ(15.5083, 15.2073, 19.0402)
contains.

XYZ(15.5674, 15.3054, 18.9634)	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(15.5674, 15.3054,
18.9634)**

Conversions

Conversions Part 1

Format	Color
Hex	746A75
RGB	116, 106, 117
RGB Percent	45%, 42%, 46%
CMY	0.5451, 0.5843, 0.5412
CMYK	0.01, 0.09, 0.00, 0.54
HSL	295°, 5%, 44%
HSV	295°, 9%, 46%
XYZ	15.5674, 15.3054, 18.9634
YIQ	110.2440, 2.4290, 5.5410

Conversions

Conversions Part 2

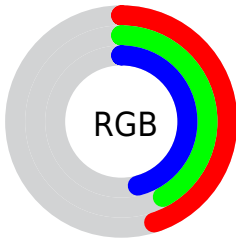
Format	Color
R_{YB}	116, 106, 117
Decimal	7629429
CIE Lab	46.05, 6.11, -4.71
CIE LCh	46, 7.714, 322.387
Yxy	15.3054, 0.3124, 0.3071
Android (android.graphics.Color)	4285819509 (0xFF746A75)
YUV	110.2440, 3.3307, 5.0480
Hunter-Lab	39.1221, 2.5647, -1.3538

Details

The XYZ color **15.5674, 15.3054, 18.9634** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.0267, 16.8894, 16.1044**, and the grayscale version is **14.8817, 15.6567, 17.0501**.

A 20% lighter version of the original color is **35.3669, 35.3033, 42.4863**, and **5.0220, 4.7865, 6.2894** is the 20% darker color. If you saturate the color by 10%, you get **14.3026, 12.9843, 18.5823**, and if you desaturate by 10%, it is **16.9992, 17.9577, 19.4001**.

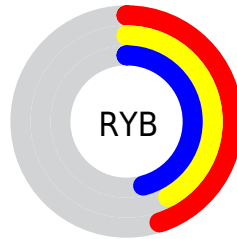
Distribution



Red (45%)

Green (42%)

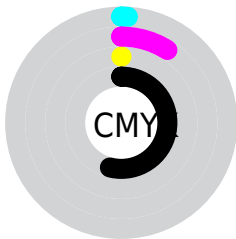
Blue (46%)



Red (45%)

Yellow (42%)

Blue (46%)

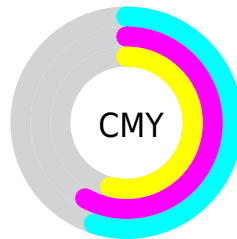


Cyan (1%)

Magenta (9%)

Yellow (0%)

Black (54%)



Cyan (55%)

Magenta (58%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5674, 15.3054, 18.9634 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 15.5674, 15.3054, 18.9634 by changing the saturation by 10% instead.

■ 15.5674, 15.3054,
18.9634

■ 15.5674, 15.3054,
18.9634

220.0963,
225.2074, 258.6626

■ 9.3075, 9.0340,
11.4673

■ 35.4091, 35.3881,
42.5081

■ 5.0010, 4.7634,
6.2640

■ 49.7215, 49.9681,
59.3938

■ 2.2826, 2.1091,
2.9349

■ 67.4489, 68.0865,
80.2464

■ 0.7857, 0.6697,
1.0615

■ 88.9565, 90.1276,
105.4846

■ 0.0000, 0.0000,
0.0000

114.6096,
116.4759, 135.5267

144.7737,

147.5157, 170.7914

179.8142,
183.6313, 211.6972

■ 15.5674, 15.3054,
18.9634

■ 15.5674, 15.3054,
18.9634

■ 14.3026, 12.9843,
18.5823

■ 16.9992, 17.9577,
19.4001

■ 13.1969, 10.9792,
18.2535

■ 18.6030, 20.9517,
19.8935

■ 12.2437, 9.2766,
17.9751

■ 20.3851, 24.3000,
20.4458

■ 11.4353, 7.8613,
17.7446

■ 22.3511, 28.0137,
21.0590

■ 10.7634, 6.7168,
17.5591

■ 24.5065, 32.1037,
21.7349

■ 10.2191, 5.8249,
17.4156

■ 26.8564, 36.5803,
22.4751

■ 9.7919, 5.1650,
17.3107

■ 29.4058, 41.4534,
23.2813

■ 9.4702, 4.7136,
17.2406

■ 32.1594, 46.7325,
24.1552

■ 9.2136, 4.3902,
17.1917

■ 35.1219, 52.4270,
25.0982

Harmonies

Analogous

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



15.0320, 15.3054, 20.2254



15.5674, 15.3054, 18.9634



15.8310, 15.3054, 17.1471

Triad

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



15.5674, 15.3054, 18.9634



14.7147, 15.3054, 13.3411



13.4142, 15.3054, 18.0760

Complementary

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



15.5674, 15.3054, 18.9634



15.0267, 16.8894, 16.1044

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.



13.3350, 15.3054, 16.1920



15.5674, 15.3054, 18.9634



14.0732, 15.3054, 13.5490

Square

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



15.5674, 15.3054, 18.9634



15.3292, 15.3054, 13.9693



13.5728, 15.3054, 14.5602



13.7925, 15.3054, 19.6869

Rectangle

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



15.5674, 15.3054, 18.9634



15.8117, 15.3054, 15.9035



13.5728, 15.3054, 14.5602



13.3522, 15.3054, 17.4503

Sweetspot

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



15.5678, 15.3061, 18.9637



29.4624, 30.3403, 34.4404



14.4235, 14.8855, 18.9429



6.7317, 6.8975, 7.9055



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.



15.5678, 15.3061, 18.9637



27.4278, 26.5805, 33.8219



15.4488, 15.2739, 17.6393



3.7954, 3.7418, 4.6124



10.1278, 4.8124, 18.9377



48.9765, 23.2568, 92.2680

Inverse Universe

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



15.1445, 15.1522, 16.0370



26.5307, 26.2548, 27.6003



15.1420, 16.9217, 17.3350



3.6962, 3.7058, 3.9271



8.1439, 4.1913, 0.7002



39.5403, 20.3663, 2.6428

Previews

White Background



This preview shows how the XYZ color 15.5674, 15.3054, 18.9634 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 15.5674, 15.3054, 18.9634 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 15.5674, 15.3054, 18.9634

Background



This preview shows how black text looks on a background with the XYZ color 15.5674, 15.3054, 18.9634.



This preview shows how white text looks on a background with the XYZ color 15.5674, 15.3054,

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

15.5674, 15.3054, 18.9634

Protanopia

14.8169, 15.2213, 19.2966

Deuteranopia

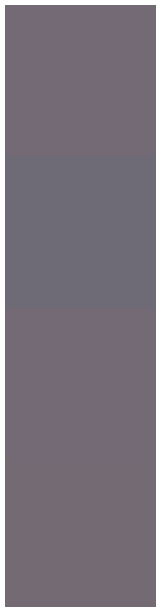
15.5674, 15.3054, 18.9634



Tritanopia

15.4510, 15.2589, 18.3506

Trichromacy



Original Color

15.5674, 15.3054, 18.9634

Protanomaly

15.0833, 15.2029, 19.2790

Deuteranomaly

15.5674, 15.3054, 18.9634

Tritanomaly

15.5089, 15.2820, 18.6553

Monochromacy



Original Color

15.5674, 15.3054, 18.9634

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.1314, 15.5743, 17.8314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5674, 15.3054, 18.9634 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(116, 106, 117)` looks like.

```
.text, #text, p{  
    color:rgb(116, 106, 117)  
}
```

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(116, 106, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 106, 117) }
```

Border

The CSS property to change the border of an element to XYZ 15.5674, 15.3054, 18.9634 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(116, 106, 117) }
```


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

```
.border{ border-color:rgb(116, 106, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 106, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 106, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 106, 117);  
box-shadow:4px 4px 4px 4px rgb(116, 106,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5674, 15.3054, 18.9634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 106, 117) }
```

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

```
.background{ background-color: rgb(116,  
106, 117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor