

Converting Colors

XYZ(15.1380, 19.6419, 12.5780)

Have a look what the booklet for
XYZ(15.1380, 19.6419, 12.5780)
contains.

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Color

**XYZ(15.1074, 19.6234,
12.6643)**

Conversions

Conversions Part 1

Format	Color
Hex	63835A
RGB	99, 131, 90
RGB Percent	39%, 51%, 35%
CMY	0.6118, 0.4863, 0.6471
CMYK	0.24, 0.00, 0.31, 0.49
HSL	107°, 19%, 43%
HSV	107°, 31%, 51%
XYZ	15.1074, 19.6234, 12.6643
YIQ	116.7580, -5.9110, -19.5350

Conversions

Conversions Part 2

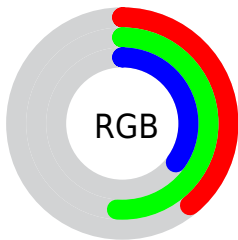
Format	Color
R_{YB}	90, 131, 122
Decimal	6521690
CIE _{Lab}	51.41, -19.71, 18.59
CIE _{LCh}	51, 27.097, 136.668
Yxy	19.6234, 0.3188, 0.4140
Android (android.graphics.Color)	4284711770 (0xFF63835A)
YUV	116.7580, -13.1917, -15.5738
Hunter-Lab	44.2983, -16.6468, 14.0586

Details

The XYZ color **15.1074, 19.6234, 12.6643** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.7796, 13.0891, 23.1684**, and the grayscale version is **16.8749, 17.7537, 19.3338**.

A 20% lighter version of the original color is **34.6366, 42.7537, 31.2377**, and **4.7623, 6.7705, 3.4387** is the 20% darker color. If you saturate the color by 10%, you get **13.5511, 18.8805, 9.9330**, and if you desaturate by 10%, it is **16.9045, 20.4802, 15.9208**.

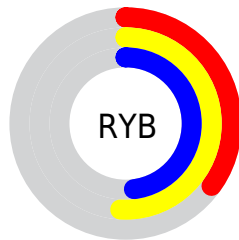
Distribution



Red (39%)

Green (51%)

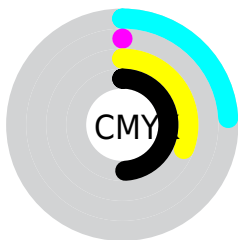
Blue (35%)



Red (35%)

Yellow (51%)

Blue (48%)

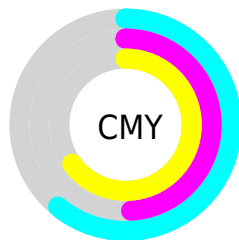


Cyan (24%)

Magenta (0%)

Yellow (31%)

Black (49%)



Cyan (61%)

Magenta (49%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1074, 19.6234, 12.6643 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 15.1074, 19.6234, 12.6643 by changing the saturation by 10% instead.

■ 15.1074, 19.6234,
12.6643

■ 15.1074, 19.6234,
12.6643

217.3909,
249.8690, 219.8866

■ 8.9816, 12.1216,
7.0698

■ 34.6116, 42.7849,
31.3816

■ 4.7862, 6.8265,
3.4267

■ 48.7207, 59.2133,
45.3416

■ 2.1558, 3.3539,
1.3164

■ 66.2216, 79.3861,
62.9270

■ 0.7193, 1.3191,
0.0752

■ 87.4797, 103.6877,
84.5566

■ 0.0000, 0.1560,
0.0000

■ 112.8603,
132.5023, 110.6488

■ 0.0000, 0.0000,
0.0000

142.7288,

166.2145, 141.6222

177.4505,
205.2086, 177.8953

■ 15.1074, 19.6234,
12.6643

■ 15.1074, 19.6234,
12.6643

■ 13.5511, 18.8805,
9.9330

■ 16.9045, 20.4802,
15.9208

■ 12.2237, 18.2443,
7.6981

■ 18.9505, 21.4529,
19.7266

■ 11.1144, 17.7104,
5.9301

■ 21.2554, 22.5465,
24.1059

■ 10.2110, 17.2733,
4.5960

■ 23.8278, 23.7652,
29.0811

■ 9.4999, 16.9268,
3.6582

■ 26.6760, 25.1127,
34.6734

■ 8.9660, 16.6639,
3.0728

■ 29.8080, 26.5926,
40.9028

■ 8.6165, 16.4910,
2.7289

■ 33.2314, 28.2086,
47.7886

■ 36.9537, 29.9640,
55.3492

■ 40.9817, 31.8620,
63.6024

Harmonies

Analogous

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



17.1944, 19.6234, 10.0093



15.1074, 19.6234, 12.6643



14.0206, 19.6234, 18.1023

Triad

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



15.1074, 19.6234, 12.6643



17.4738, 19.6234, 39.4572



24.1104, 19.6234, 17.3603

Complementary

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



15.1074, 19.6234, 12.6643



15.7796, 13.0891, 23.1684

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.



24.2038, 19.6234, 25.0014



15.1074, 19.6234, 12.6643



20.1886, 19.6234, 39.1193

Square

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



15.1074, 19.6234, 12.6643



15.2948, 19.6234, 34.1850



22.7105, 19.6234, 33.3505



22.4665, 19.6234, 12.2352

Rectangle

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



15.1074, 19.6234, 12.6643



13.9337, 19.6234, 23.1492



22.7105, 19.6234, 33.3505



24.3294, 19.6234, 19.6779

Sweetspot

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



15.1079, 19.6242, 12.6647



34.7589, 38.8072, 36.8778



18.0964, 19.3446, 12.4532



7.9751, 8.9793, 8.3642



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.



15.1079, 19.6242, 12.6647



24.9028, 34.1141, 18.8879



14.6790, 19.3453, 15.2556



4.7049, 5.2504, 4.9948



8.4833, 16.2332, 2.6862



0.0347, 0.0590, 0.0096

Inverse Universe

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



15.7796, 13.0891, 23.1684



26.3094, 20.3554, 40.9955



16.4111, 13.4958, 19.5312



4.7606, 4.7127, 5.8595



9.4560, 4.4089, 21.4893



0.0389, 0.0184, 0.0747

Previews

White Background



This preview shows how the XYZ color 15.1074, 19.6234, 12.6643 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 15.1074, 19.6234, 12.6643 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 15.1074, 19.6234, 12.6643

Background



This preview shows how black text looks on a background with the XYZ color 15.1074, 19.6234, 12.6643.



This preview shows how white text looks on a background with the XYZ color 15.1074, 19.6234,

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

15.1074, 19.6234, 12.6643

Protanopia

18.1550, 19.4965, 11.6104

Deuteranopia

19.8387, 19.4422, 13.0630



Tritanopia

17.7702, 19.5423, 25.7571

Trichromacy



Original Color

15.1074, 19.6234, 12.6643

Protanomaly

16.7996, 19.3484, 11.8660

Deuteranomaly

17.7934, 19.2810, 12.9090

Tritanomaly

16.6281, 19.4537, 20.3313

Monochromacy



Original Color

15.1074, 19.6234, 12.6643

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.0438, 18.2956, 16.5957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1074, 19.6234, 12.6643 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(99, 131, 90)` looks like.

```
.text, #text, p{  
    color:rgb(99, 131, 90)  
}
```

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(99, 131, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 131, 90) }
```

Border

The CSS property to change the border of an element to XYZ 15.1074, 19.6234, 12.6643 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(99, 131, 90) }
```


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

```
.border{ border-color:rgb(99, 131, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 131, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 131, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 131, 90);  
box-shadow:4px 4px 4px 4px rgb(99, 131,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1074, 19.6234, 12.6643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 131, 90) }
```

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

```
.background{ background-color: rgb(99, 131,  
90) }
```

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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