

Converting Colors

XYZ(12.4805, 11.9078, 9.5086)

Have a look what the booklet for
XYZ(12.4805, 11.9078, 9.5086)
contains.

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Color

**XYZ(12.5148, 11.9614,
9.4338)**

Conversions

Conversions Part 1

Format	Color
Hex	745C51
RGB	116, 92, 81
RGB Percent	45%, 36%, 32%
CMY	0.5451, 0.6392, 0.6823
CMYK	0.00, 0.21, 0.30, 0.55
HSL	19°, 18%, 39%
HSV	19°, 30%, 45%
XYZ	12.5148, 11.9614, 9.4338
YIQ	97.9220, 17.8350, 1.6670

Conversions

Conversions Part 2

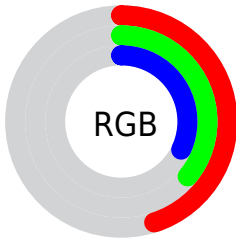
Format	Color
R_{YB}	116, 97, 81
Decimal	7625809
CIE Lab	41.15, 8.01, 10.04
CIE LCh	41, 12.848, 51.416
Yxy	11.9614, 0.3691, 0.3527
Android (android.graphics.Color)	4285815889 (0xFF745C51)
YUV	97.9220, -8.3425, 15.8544
Hunter-Lab	34.5853, 4.0667, 8.0372

Details

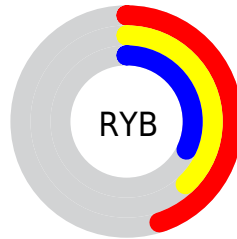
The XYZ color **12.5148, 11.9614, 9.4338** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.5971, 13.1130, 18.4428**, and the grayscale version is **11.6073, 12.2118, 13.2986**.

A 20% lighter version of the original color is **30.0645, 29.3927, 25.2079**, and **3.6102, 3.2747, 2.1109** is the 20% darker color. If you saturate the color by 10%, you get **11.4633, 10.4961, 7.1175**, and if you desaturate by 10%, it is **13.7136, 13.6023, 12.1662**.

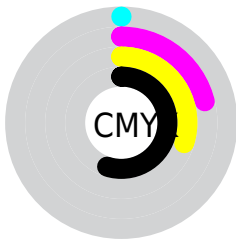
Distribution



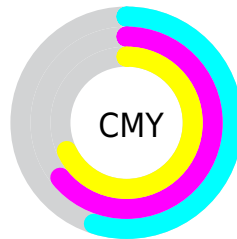
- Red (45%)
- Green (36%)
- Blue (32%)



- Red (45%)
- Yellow (38%)
- Blue (32%)



- Cyan (0%)
- Magenta (21%)
- Yellow (30%)
- Black (55%)



- Cyan (55%)
- Magenta (64%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5148, 11.9614, 9.4338 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 12.5148, 11.9614, 9.4338 by changing the saturation by 10% instead.

■ 12.5148, 11.9614,
9.4338

■ 12.5148, 11.9614,
9.4338

201.4853,
204.1496, 196.9175

■ 7.1700, 6.7174,
4.9245

■ 30.0381, 29.4248,
25.3159

■ 3.6159, 3.2860,
2.1451

■ 42.9473, 42.4130,
37.5258

■ 1.4872, 1.2828,
0.6424

■ 59.1086, 58.7513,
53.1397

■ 0.3171, 0.1278,
0.0000

■ 78.8875, 78.8242,
72.5761

■ 0.0000, 0.0000,
0.0000

■ 102.6492,
103.0161, 96.2535

130.7592,

131.7114, 124.5905

163.5828,
165.2944, 158.0057

■ 12.5148, 11.9614,
9.4338

■ 12.5148, 11.9614,
9.4338

■ 11.4633, 10.4961,
7.1175

■ 13.7136, 13.6023,
12.1662

■ 10.5522, 9.1987,
5.1959

■ 15.0644, 15.4227,
15.3332

■ 9.7753, 8.0634,
3.6468

■ 16.5729, 17.4287,
18.9529

■ 9.1257, 7.0836,
2.4455

■ 18.2441, 19.6252,
23.0424

■ 8.5957, 6.2520,
1.5644

■ 20.0829, 22.0174,
27.6178

■ 8.1765, 5.5606,
0.9713

■ 22.0937, 24.6099,
32.6942

■ 7.8475, 5.0031,
0.5521

■ 24.2812, 27.4074,
38.2865

■ 26.6496, 30.4143,
44.4087

■ 29.2029, 33.6350,
51.0742

Harmonies

Analogous

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



13.1066, 11.9614, 11.2510



12.5148, 11.9614, 9.4338



11.6365, 11.9614, 8.6082

Triad

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



12.5148, 11.9614, 9.4338



9.6992, 11.9614, 12.2782



12.0309, 11.9614, 18.3655

Complementary

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



12.5148, 11.9614, 9.4338



11.5971, 13.1130, 18.4428

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.



11.1055, 11.9614, 18.7385



12.5148, 11.9614, 9.4338



9.7921, 11.9614, 14.9740

Square

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



12.5148, 11.9614, 9.4338



10.0344, 11.9614, 10.0981



10.2953, 11.9614, 17.4258



12.8169, 11.9614, 16.4664

Rectangle

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



12.5148, 11.9614, 9.4338



11.0205, 11.9614, 8.6414



10.2953, 11.9614, 17.4258



11.7247, 11.9614, 18.6829

Sweetspot

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



12.5151, 11.9620, 9.4340



26.7189, 27.4291, 27.5190



12.7205, 10.6282, 14.8808



6.3025, 6.4477, 6.3948



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.



12.5151, 11.9620, 9.4340



20.7255, 19.2572, 13.7606



14.1563, 15.2444, 9.9811



3.7692, 3.8715, 3.8909



8.7913, 5.5838, 0.6144



42.1528, 25.8341, 2.7648

Inverse Universe

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



11.5971, 13.1130, 18.4428



18.8412, 21.6103, 32.2227



10.0356, 9.9899, 17.9223



3.6909, 3.9704, 4.6621



6.7020, 7.7436, 19.6840



31.8671, 36.1507, 95.6585

Previews

White Background



This preview shows how the XYZ color 12.5148, 11.9614, 9.4338 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 12.5148, 11.9614, 9.4338 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 12.5148, 11.9614, 9.4338

Background



This preview shows how black text looks on a background with the XYZ color 12.5148, 11.9614, 9.4338.

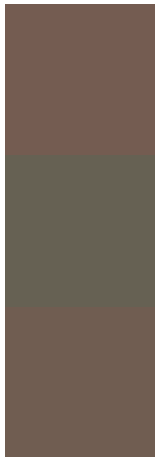


This preview shows how white text looks on a background with the XYZ color 12.5148, 11.9614,

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

12.5148, 11.9614, 9.4338

Protanopia

11.3155, 11.9987, 9.9032

Deuteranopia

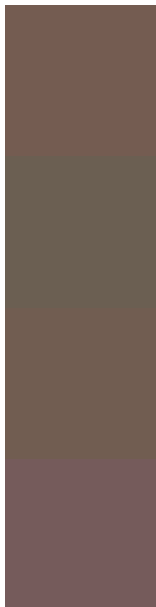
12.0816, 11.8675, 9.4385



Tritanopia

13.2850, 12.0269, 12.9305

Trichromacy



Original Color

12.5148, 11.9614, 9.4338

Protanomaly

11.6786, 11.9194, 9.6678

Deuteranomaly

12.2096, 11.9335, 9.4445

Tritanomaly

12.9655, 12.0194, 11.5341

Monochromacy



Original Color

12.5148, 11.9614, 9.4338

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.9403, 12.1417, 11.8395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5148, 11.9614, 9.4338 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, 92, 81)` looks like.

```
.text, #text, p{  
    color:rgb(116, 92, 81)  
}
```

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, 92, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 92, 81) }
```

Border

The CSS property to change the border of an element to XYZ 12.5148, 11.9614, 9.4338 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, 92, 81) }
```


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

```
.border{ border-color:rgb(116, 92, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 92, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 92, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 92, 81);  
box-shadow:4px 4px 4px 4px rgb(116, 92,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5148, 11.9614, 9.4338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 92, 81) }
```

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

```
.background{ background-color: rgb(116, 92,  
81) }
```

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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