

Converting Colors

XYZ(12.4675, 9.4667, 5.1385)

Have a look what the booklet for
XYZ(12.4675, 9.4667, 5.1385)
contains.

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Color

**XYZ(12.5647, 9.5483,
5.1838)**

Conversions

Conversions Part 1

Format	Color
Hex	85453A
RGB	133, 69, 58
RGB Percent	52%, 27%, 23%
CMY	0.4784, 0.7294, 0.7725
CMYK	0.00, 0.48, 0.56, 0.48
HSL	9°, 39%, 37%
HSV	9°, 56%, 52%
XYZ	12.5647, 9.5483, 5.1838
YIQ	86.8820, 41.6750, 10.1470

Conversions

Conversions Part 2

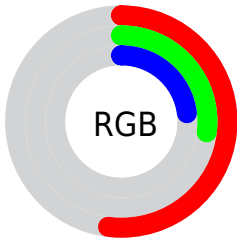
Format	Color
R_{YB}	133, 71, 58
Decimal	8734010
CIE _{Lab}	37.02, 26.18, 18.93
CIE _{LCh}	37, 32.301, 35.867
Yxy	9.5483, 0.4603, 0.3498
Android (android.graphics.Color)	4286924090 (0xFF85453A)
YUV	86.8820, -14.2388, 40.4455
Hunter-Lab	30.9003, 18.5062, 11.6838

Details

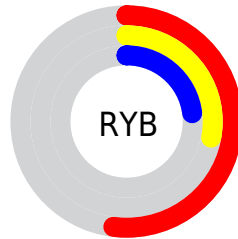
The XYZ color **12.5647, 9.5483, 5.1838** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **12.9376, 16.5111, 24.6952**, and the grayscale version is **9.0574, 9.5291, 10.3772**.

A 20% lighter version of the original color is **30.1329, 25.0324, 16.6082**, and **3.6244, 2.3125, 0.7455** is the 20% darker color. If you saturate the color by 10%, you get **11.6365, 8.1652, 3.4153**, and if you desaturate by 10%, it is **13.7144, 11.2345, 7.4576**.

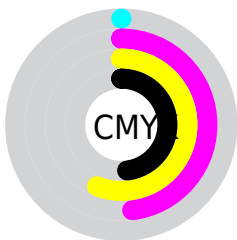
Distribution



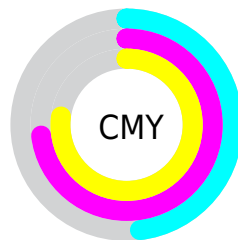
- Red (52%)
- Green (27%)
- Blue (23%)



- Red (52%)
- Yellow (28%)
- Blue (23%)



- Cyan (0%)
- Magenta (48%)
- Yellow (56%)
- Black (48%)



- Cyan (48%)
- Magenta (73%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.5647, 9.5483, 5.1838 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 12.5647, 9.5483, 5.1838 by changing the saturation by 10% instead.

 12.5647, 9.5483,
5.1838


 12.5647, 9.5483,
5.1838


201.8032,
187.4171, 160.5929


 7.2044, 5.1005,
2.2949


 30.1275, 24.9424,
16.6591


 3.6377, 2.3064,
0.7284

 43.0608, 36.6574,
26.0826


 1.4993, 0.7771,
0.0000

 59.2490, 51.5637,
38.5213

 0.3254, 0.0000,
0.0000

 79.0577, 70.0456,
54.3938

 0.0000, 0.0000,
0.0000

 102.8521, 92.4875,
74.1187

 130.9975,

119.2738, 98.1145

163.8595,
150.7889, 126.7997

■ 12.5647, 9.5483,
5.1838

■ 12.5647, 9.5483,
5.1838

■ 11.6365, 8.1652,
3.4153

■ 13.7144, 11.2345,
7.4576

■ 10.9145, 7.0656,
2.1128

■ 15.0980, 13.2388,
10.2710

■ 10.3826, 6.2301,
1.2319

■ 16.7280, 15.5770,
13.6557

■ 10.0177, 5.6343,
0.6974

■ 18.6155, 18.2635,
17.6410

■ 9.9144, 5.4698,
0.5332

■ 20.7713, 21.3117,
22.2540

■ 23.2052, 24.7344,
27.5203

■ 25.9267, 28.5438,
33.4640

■ 28.9449, 32.7514,
40.1080

■ 32.2684, 37.3684,
47.4741

Harmonies

Analogous

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



13.4669, 9.5483, 9.3101



12.5647, 9.5483, 5.1838



10.7414, 9.5483, 3.2334

Triad

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



12.5647, 9.5483, 5.1838



5.9970, 9.5483, 6.5102



9.4745, 9.5483, 25.6649

Complementary

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



12.5647, 9.5483, 5.1838



12.9376, 16.5111, 24.6952

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.



7.5912, 9.5483, 24.0462



12.5647, 9.5483, 5.1838



5.7603, 9.5483, 11.5643

Square

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



12.5647, 9.5483, 5.1838



7.0022, 9.5483, 3.7787



6.3004, 9.5483, 18.2829



11.5220, 9.5483, 22.1292

Rectangle

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



12.5647, 9.5483, 5.1838



9.3555, 9.5483, 2.8231



6.3004, 9.5483, 18.2829



8.8009, 9.5483, 25.7180

Sweetspot

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



12.5649, 9.5488, 5.1840



32.9789, 32.1985, 30.8311



14.7610, 9.4428, 19.7834



7.2991, 7.0683, 6.6686



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.



12.5649, 9.5488, 5.1840



20.3921, 13.9477, 5.2934



15.5392, 15.4973, 6.1754



4.7237, 4.7909, 4.9051



9.4478, 5.2183, 0.5093



0.0360, 0.0246, 0.0028

Inverse Universe

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



12.9376, 16.5111, 24.6952



21.0893, 27.6694, 43.9676



9.2666, 9.1691, 23.4715



4.7450, 5.1656, 5.9477



9.7137, 12.9753, 23.1292



0.0376, 0.0528, 0.0814

Previews

White Background



This preview shows how the XYZ color 12.5647, 9.5483, 5.1838 looks on a white background.

Color Contrast Check

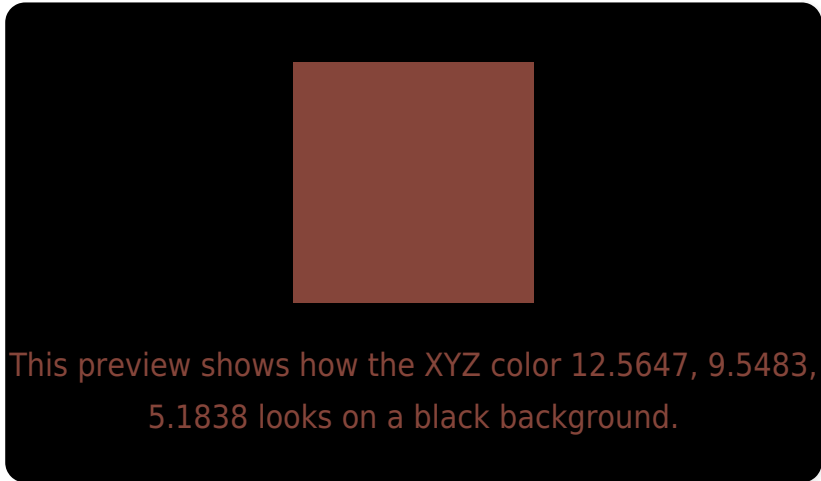
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 12.5647, 9.5483, 5.1838

Background



This preview shows how black text looks on a background with the XYZ color 12.5647, 9.5483, 5.1838.

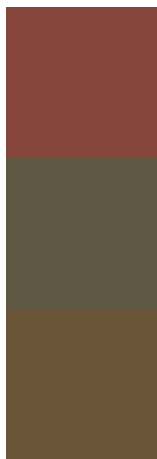


This preview shows how white text looks on a background with the XYZ color 12.5647, 9.5483,

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

12.5647, 9.5483, 5.1838

Protanopia

9.0892, 9.7525, 6.5576

Deuteranopia

9.8038, 9.6807, 4.9663



Tritanopia

13.0084, 9.5505, 7.2887

Trichromacy



Original Color

12.5647, 9.5483, 5.1838

Protanomaly

10.0240, 9.4319, 5.9948

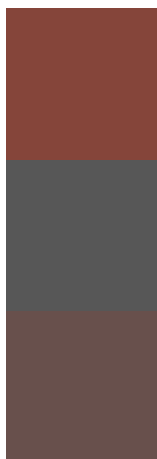
Deuteranomaly

10.7123, 9.5905, 5.0279

Tritanomaly

12.9118, 9.6078, 6.4842

Monochromacy



Original Color

12.5647, 9.5483, 5.1838

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

9.8821, 9.2022, 8.0928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5647, 9.5483, 5.1838 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(133, 69, 58)` looks like.

```
.text, #text, p{  
    color:rgb(133, 69, 58)  
}
```

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(133, 69, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 69, 58) }
```

Border

The CSS property to change the border of an element to XYZ 12.5647, 9.5483, 5.1838 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(133, 69, 58) }
```


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

```
.border{ border-color:rgb(133, 69, 58) }
```

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

Here you see how a box with a 4 pixel rgb(133, 69, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 69, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 69, 58);  
box-shadow:4px 4px 4px 4px rgb(133, 69,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5647, 9.5483, 5.1838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 69, 58) }
```

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

```
.background{ background-color: rgb(133, 69,  
58) }
```

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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