

Converting Colors

XYZ(12.3646, 9.2486, 9.1066)

Have a look what the booklet for
XYZ(12.3646, 9.2486, 9.1066)
contains.

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Color

**XYZ(12.3425, 9.2555,
9.1186)**

Conversions

Conversions Part 1

Format	Color
Hex	7F4452
RGB	127, 68, 82
RGB Percent	50%, 27%, 32%
CMY	0.5020, 0.7333, 0.6784
CMYK	0.00, 0.46, 0.35, 0.50
HSL	346°, 30%, 38%
HSV	346°, 46%, 50%
XYZ	12.3425, 9.2555, 9.1186
YIQ	87.2370, 30.6700, 16.8620

Conversions

Conversions Part 2

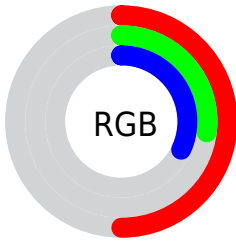
Format	Color
R_{YB}	127, 68, 82
Decimal	8340562
CIE Lab	36.47, 27.03, 2.97
CIE LCh	36, 27.188, 6.263
Yxy	9.2555, 0.4018, 0.3013
Android (android.graphics.Color)	4286530642 (0xFF7F4452)
YUV	87.2370, -2.5818, 34.8722
Hunter-Lab	30.4229, 19.1772, 3.5251

Details

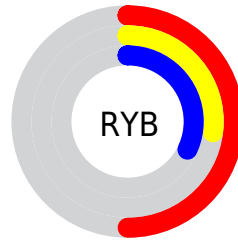
The XYZ color **12.3425, 9.2555, 9.1186** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **12.9544, 17.6001, 18.3382**, and the grayscale version is **9.1112, 9.5857, 10.4389**.

A 20% lighter version of the original color is **29.8666, 24.5406, 24.6354**, and **3.5197, 2.1721, 2.0675** is the 20% darker color. If you saturate the color by 10%, you get **11.3130, 7.7454, 7.0834**, and if you desaturate by 10%, it is **13.5910, 11.1202, 11.4838**.

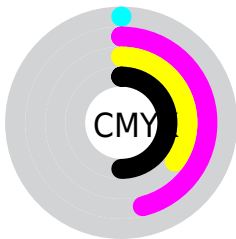
Distribution



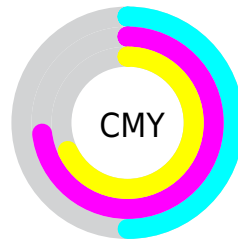
- Red (50%)
- Green (27%)
- Blue (32%)



- Red (50%)
- Yellow (27%)
- Blue (32%)



- Cyan (0%)
- Magenta (46%)
- Yellow (35%)
- Black (50%)



- Cyan (50%)
- Magenta (73%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3425, 9.2555, 9.1186 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 12.3425, 9.2555, 9.1186 by changing the saturation by 10% instead.

12.3425, 9.2555,
9.1186

12.3425, 9.2555,
9.1186

200.3837,
185.2726, 194.5107

7.0512, 4.9082,
4.7208

29.7289, 24.3854,
24.7053

3.5408, 2.1935,
2.0285

42.5547, 35.9368,
36.7312

1.4458, 0.7165,
0.5727

58.6227, 50.6584,
52.1369

0.2885, 0.0000,
0.0000

78.2983, 68.9346,
71.3409

0.0000, 0.0000,
0.0000

101.9469, 91.1497,
94.7617

129.9337,

117.6881, 122.8179

162.6242,
148.9343, 155.9281

■ 12.3425, 9.2555,
9.1186

■ 12.3425, 9.2555,
9.1186

■ 11.3130, 7.7454,
7.0834

■ 13.5910, 11.1202,
11.4838

■ 10.4887, 6.5658,
5.3626

■ 15.0696, 13.3588,
14.1926

■ 9.8554, 5.6922,
3.9401

■ 16.7898, 15.9906,
17.2582

■ 9.3967, 5.0955,
2.7981

■ 18.7617, 19.0334,
20.6933

■ 9.0838, 4.7228,
1.9135

■ 20.9951, 22.5038,
24.5098

■ 8.9884, 4.6064,
1.6524

■ 23.4992, 26.4175,
28.7188

■ 26.2828, 30.7894,
33.3315

■ 29.3542, 35.6337,
38.3581

■ 32.7213, 40.9640,
43.8087

Harmonies

Analogous

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



12.0325, 9.2555, 14.1954



12.3425, 9.2555, 9.1186



11.6111, 9.2555, 5.6022

Triad

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



12.3425, 9.2555, 9.1186



7.0508, 9.2555, 4.3835



7.5808, 9.2555, 20.8928

Complementary

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



12.3425, 9.2555, 9.1186



12.9544, 17.6001, 18.3382

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.



6.4790, 9.2555, 16.4638



12.3425, 9.2555, 9.1186



6.2008, 9.2555, 6.8449

Square

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



12.3425, 9.2555, 9.1186



8.4555, 9.2555, 3.4754



6.0053, 9.2555, 11.1017



9.1477, 9.2555, 22.0760

Rectangle

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



12.3425, 9.2555, 9.1186



10.6793, 9.2555, 4.2529



6.0053, 9.2555, 11.1017



7.1501, 9.2555, 19.6791

Sweetspot

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



12.3428, 9.2560, 9.1188



30.7771, 29.7283, 32.1538



12.6122, 9.1283, 21.1758



7.0606, 6.7368, 7.2731



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.3428, 9.2560, 9.1188



20.1148, 13.6612, 12.3915



12.8703, 11.0782, 6.9295



4.3664, 4.3597, 4.7338



9.0646, 4.6455, 1.6639



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.3428, 9.2560, 9.1188



20.1148, 13.6612, 12.3915



12.0368, 14.4052, 22.2247



4.3664, 4.3597, 4.7338



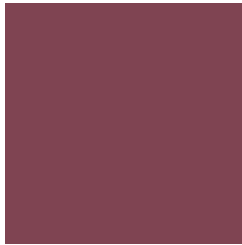
9.0646, 4.6455, 1.6639



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.3425, 9.2555, 9.1186 looks on a white background.

Color Contrast Check

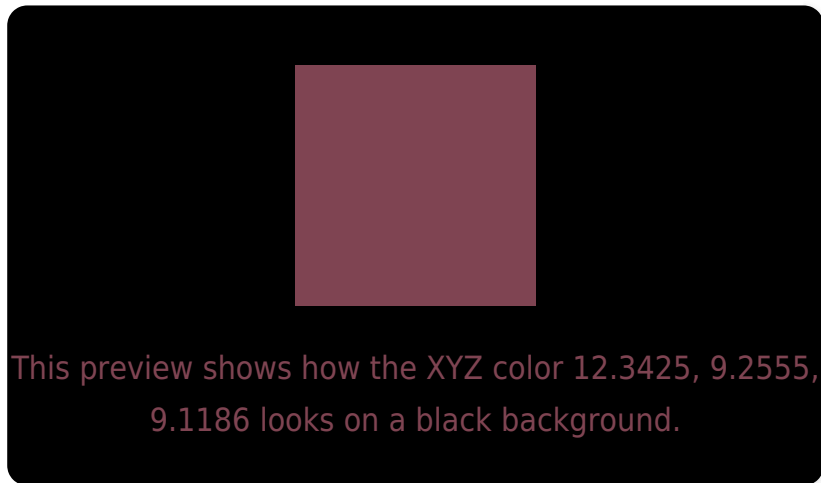
Large Text (above 18pt) WCAG AA ✓ Pass

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

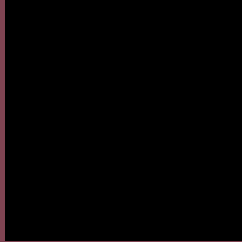
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3425, 9.2555, 9.1186

Background



This preview shows how black text looks on a background with the XYZ color 12.3425, 9.2555, 9.1186.



This preview shows how white text looks on a background with the XYZ color 12.3425, 9.2555,

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

12.3425, 9.2555, 9.1186

Protanopia

9.0973, 9.4067, 11.4614

Deuteranopia

9.4343, 9.2924, 8.6935



Tritanopia

11.9683, 9.1863, 7.6209

Trichromacy



Original Color

12.3425, 9.2555, 9.1186

Protanomaly

9.9243, 9.0632, 10.4588

Deuteranomaly

10.3567, 9.2161, 8.8224

Tritanomaly

12.0719, 9.2277, 8.1660

Monochromacy



Original Color

12.3425, 9.2555, 9.1186

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

9.9878, 9.2180, 9.8472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3425, 9.2555, 9.1186 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(127, 68, 82)` looks like.

```
.text, #text, p{  
    color:rgb(127, 68, 82)  
}
```

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(127, 68, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 68, 82) }
```

Border

The CSS property to change the border of an element to XYZ 12.3425, 9.2555, 9.1186 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(127, 68, 82) }
```


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

```
.border{ border-color:rgb(127, 68, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 68, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 68, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 68, 82);  
box-shadow:4px 4px 4px 4px rgb(127, 68,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3425, 9.2555, 9.1186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 68, 82) }
```

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

```
.background{ background-color: rgb(127, 68,  
82) }
```

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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