

Converting Colors

XYZ(12.3839, 11.3740, 9.5475)

Have a look what the booklet for
XYZ(12.3839, 11.3740, 9.5475)
contains.

XYZ(12.3488, 11.3706, 9.5265)	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(12.3488, 11.3706,
9.5265)**

Conversions

Conversions Part 1

Format	Color
Hex	755852
RGB	117, 88, 82
RGB Percent	46%, 35%, 32%
CMY	0.5412, 0.6549, 0.6784
CMYK	0.00, 0.25, 0.30, 0.54
HSL	10°, 18%, 39%
HSV	10°, 30%, 46%
XYZ	12.3488, 11.3706, 9.5265
YIQ	95.9870, 19.2100, 4.2820

Conversions

Conversions Part 2

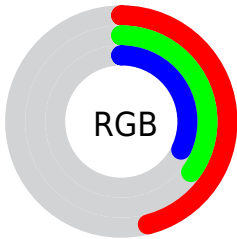
Format	Color
R _Y B	117, 89, 82
Decimal	7690322
CIE Lab	40.20, 11.01, 8.10
CIE LCh	40, 13.670, 36.362
Yxy	11.3706, 0.3714, 0.3420
Android (android.graphics.Color)	4285880402 (0xFF755852)
YUV	95.9870, -6.8956, 18.4284
Hunter-Lab	33.7203, 6.3584, 6.8539

Details

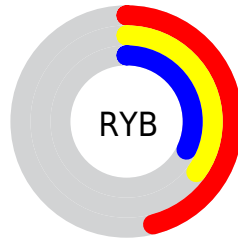
The XYZ color **12.3488, 11.3706, 9.5265** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **12.3746, 14.4463, 18.9657**, and the grayscale version is **11.1283, 11.7078, 12.7498**.

A 20% lighter version of the original color is **29.7628, 28.3617, 25.3784**, and **3.5458, 3.0184, 2.1460** is the 20% darker color. If you saturate the color by 10%, you get **11.1976, 9.7209, 7.1304**, and if you desaturate by 10%, it is **13.6824, 13.2634, 12.3583**.

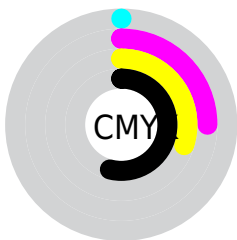
Distribution



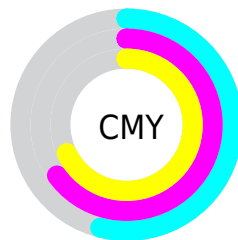
- Red (46%)
- Green (35%)
- Blue (32%)



- Red (46%)
- Yellow (35%)
- Blue (32%)



- Cyan (0%)
- Magenta (25%)
- Yellow (30%)
- Black (54%)



- Cyan (54%)
- Magenta (65%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3488, 11.3706, 9.5265 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 12.3488, 11.3706, 9.5265 by changing the saturation by 10% instead.

■ 12.3488, 11.3706,
9.5265

■ 12.3488, 11.3706,
9.5265

200.4241,
200.1927, 197.6188

■ 7.0556, 6.3167,
4.9847

■ 29.7402, 28.3435,
25.4947

■ 3.5435, 3.0386,
2.1797

■ 42.5690, 41.0312,
37.7583

■ 1.4473, 1.1519,
0.6626

■ 58.6405, 57.0323,
53.4327

■ 0.2895, 0.0219,
0.0000

■ 78.3199, 76.7313,
72.9368

■ 0.0000, 0.0000,
0.0000

■ 101.9726,
100.5124, 96.6888

129.9640,

128.7600, 125.1075

162.6593,
161.8587, 158.6113

■ 12.3488, 11.3706,
9.5265

■ 12.3488, 11.3706,
9.5265

■ 11.1976, 9.7209,
7.1304

■ 13.6824, 13.2634,
12.3583

■ 10.2198, 8.3028,
5.1475

■ 15.2050, 15.4070,
15.6452

■ 9.4072, 7.1065,
3.5547

■ 16.9238, 17.8106,
19.4064

■ 8.7504, 6.1204,
2.3259

■ 18.8458, 20.4826,
23.6596

■ 8.2391, 5.3324,
1.4322

■ 20.9771, 23.4310,
28.4218

■ 7.8616, 4.7286,
0.8398

■ 23.3240, 26.6634,
33.7091

■ 7.5895, 4.2878,
0.4305

■ 25.8922, 30.1872,
39.5368

■ 7.5874, 4.2846,
0.4271

■ 28.6874, 34.0094,
45.9197

■ 31.7150, 38.1369,
52.8720

Harmonies

Analogous

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



12.7297, 11.3706, 11.8090



12.3488, 11.3706, 9.5265



11.5578, 11.3706, 8.1739

Triad

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



12.3488, 11.3706, 9.5265



9.2164, 11.3706, 10.3962



11.0114, 11.3706, 18.3528

Complementary

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



12.3488, 11.3706, 9.5265



12.3746, 14.4463, 18.9657

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.



10.0903, 11.3706, 17.8282



12.3488, 11.3706, 9.5265



9.0891, 11.3706, 12.9704

Square

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



12.3488, 11.3706, 9.5265



9.7585, 11.3706, 8.6222



9.3999, 11.3706, 15.7545



11.9289, 11.3706, 17.0980

Rectangle

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



12.3488, 11.3706, 9.5265



10.9239, 11.3706, 7.8529



9.3999, 11.3706, 15.7545



10.6917, 11.3706, 18.3810

Sweetspot

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



12.3491, 11.3711, 9.5267



27.4263, 27.8679, 28.4478



13.2318, 10.9679, 16.5067



6.2271, 6.2970, 6.3697



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.



12.3491, 11.3711, 9.5267



20.6338, 18.2448, 13.9696



13.9447, 14.5623, 10.0586



3.7301, 3.7931, 3.8778



8.3509, 4.7030, 0.4676



40.2474, 22.0233, 2.1297

Inverse Universe

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



12.3746, 14.4463, 18.9657



20.6838, 24.7034, 33.8151



10.6637, 11.0245, 18.3954



3.7325, 4.0536, 4.6759



8.2309, 10.8014, 20.1936



39.5614, 51.5394, 98.2233

Previews

White Background



This preview shows how the XYZ color 12.3488, 11.3706, 9.5265 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 12.3488, 11.3706, 9.5265 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 12.3488, 11.3706, 9.5265

Background



This preview shows how black text looks on a background with the XYZ color 12.3488, 11.3706, 9.5265.



This preview shows how white text looks on a background with the XYZ color 12.3488, 11.3706,

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

12.3488, 11.3706, 9.5265

Protanopia

10.8775, 11.4929, 10.2394

Deuteranopia

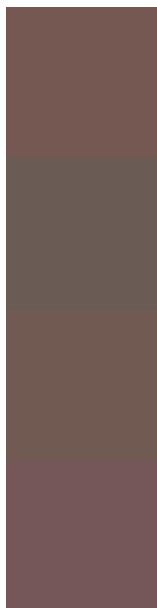
11.5330, 11.3275, 9.3631



Tritanopia

12.7748, 11.2974, 11.8632

Trichromacy



Original Color

12.3488, 11.3706, 9.5265

Protanomaly

11.3712, 11.3586, 9.9806

Deuteranomaly

11.8235, 11.3512, 9.3524

Tritanomaly

12.6826, 11.3892, 10.9811

Monochromacy



Original Color

12.3488, 11.3706, 9.5265

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.5116, 11.5271, 11.5158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3488, 11.3706, 9.5265 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(117, 88, 82)` looks like.

```
.text, #text, p{  
    color:rgb(117, 88, 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(117, 88, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 88, 82) }
```

Border

The CSS property to change the border of an element to XYZ 12.3488, 11.3706, 9.5265 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(117, 88, 82) }
```


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

```
.border{ border-color:rgb(117, 88, 82) }
```

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

Here you see how a box with a 4 pixel rgb(117, 88, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 88, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 88, 82);  
box-shadow:4px 4px 4px 4px rgb(117, 88,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3488, 11.3706, 9.5265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 88, 82) }
```

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

```
.background{ background-color: rgb(117, 88,  
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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