

Converting Colors

XYZ(12.4513, 11.4258, 10.8372)

Have a look what the booklet for
XYZ(12.4513, 11.4258, 10.8372)
contains.

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Color

**XYZ(12.4536, 11.3970,
10.7760)**

Conversions

Conversions Part 1

Format	Color
Hex	745858
RGB	116, 88, 88
RGB Percent	45%, 35%, 35%
CMY	0.5451, 0.6549, 0.6549
CMYK	0.00, 0.24, 0.24, 0.55
HSL	0°, 14%, 40%
HSV	0°, 24%, 45%
XYZ	12.4536, 11.3970, 10.7760
YIQ	96.3720, 16.6880, 5.9360

Conversions

Conversions Part 2

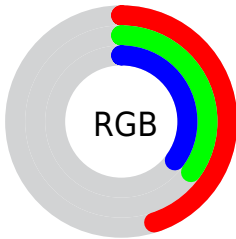
Format	Color
R_{YB}	116, 88, 88
Decimal	7624792
CIE Lab	40.24, 11.54, 4.46
CIE LCh	40, 12.366, 21.122
Yxy	11.3970, 0.3597, 0.3291
Android (android.graphics.Color)	4285814872 (0xFF745858)
YUV	96.3720, -4.1274, 17.2138
Hunter-Lab	33.7594, 6.7683, 4.7063

Details

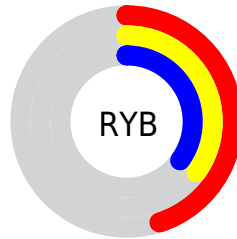
The XYZ color **12.4536, 11.3970, 10.7760** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.4221, 15.8260, 18.8703**, and the grayscale version is **11.2158, 11.7999, 12.8500**.

A 20% lighter version of the original color is **30.0381, 28.4470, 27.9524**, and **3.5787, 3.0236, 2.6805** is the 20% darker color. If you saturate the color by 10%, you get **11.1333, 9.4651, 8.1509**, and if you desaturate by 10%, it is **14.0025, 13.6636, 13.8548**.

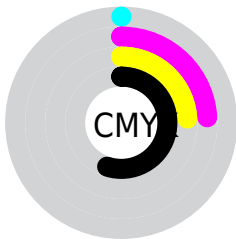
Distribution



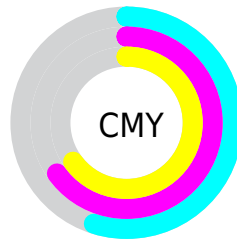
- Red (45%)
- Green (35%)
- Blue (35%)



- Red (45%)
- Yellow (35%)
- Blue (35%)



- Cyan (0%)
- Magenta (24%)
- Yellow (24%)
- Black (55%)



- Cyan (55%)
- Magenta (65%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4536, 11.3970, 10.7760 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 12.4536, 11.3970, 10.7760 by changing the saturation by 10% instead.

■ 12.4536, 11.3970,
10.7760

■ 12.4536, 11.3970,
10.7760

201.0947,
200.3713, 206.8062

■ 7.1278, 6.3345,
5.8041

■ 29.9283, 28.3920,
27.8755

■ 3.5892, 3.0495,
2.6595

■ 42.8080, 41.0933,
40.8402

■ 1.4725, 1.1577,
0.9229

■ 58.9362, 57.1097,
57.3063

■ 0.3070, 0.0267,
0.0000

■ 78.6785, 76.8255,
77.6923

■ 0.0000, 0.0000,
0.0000

■ 102.4001,
100.6252, 102.4168

130.4665,

128.8931, 131.8982

163.2429,
162.0137, 166.5552

■ 12.4536, 11.3970,
10.7760

■ 12.4536, 11.3970,
10.7760

■ 11.1333, 9.4651,
8.1509

■ 14.0025, 13.6636,
13.8548

■ 10.0299, 7.8506,
5.9575

■ 15.7892, 16.2780,
17.4067

■ 9.1322, 6.5369,
4.1728


■ 17.8234, 19.2545,
21.4507


■ 8.4273, 5.5055,
2.7717


■ 20.1140, 22.6062,
26.0044


■ 7.9013, 4.7357,
1.7260


■ 22.6695, 26.3457,
31.0849


 7.5379, 4.2040,
1.0038


 25.4980, 30.4846,
36.7081

 7.3136, 3.8757,
0.5579

 28.6074, 35.0343,
42.8896

 7.2026, 3.7132,
0.3371

 32.0049, 40.0058,
49.6440

 35.6978, 45.4095,
56.9858

Harmonies

Analogous

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



12.5543, 11.3970, 13.1566



12.4536, 11.3970, 10.7760



11.9067, 11.3970, 9.0683

Triad

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



12.4536, 11.3970, 10.7760



9.5926, 11.3970, 9.6617



10.5787, 11.3970, 17.7159

Complementary

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



12.4536, 11.3970, 10.7760



13.4221, 15.8260, 18.8703

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.



9.8250, 11.3970, 16.4844



12.4536, 11.3970, 10.7760



9.2758, 11.3970, 11.6910

Square

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



12.4536, 11.3970, 10.7760



10.2461, 11.3970, 8.4867



9.3586, 11.3970, 14.2000



11.4409, 11.3970, 17.3857

Rectangle

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



12.4536, 11.3970, 10.7760



11.3778, 11.3970, 8.4374



9.3586, 11.3970, 14.2000



10.3049, 11.3970, 17.4655

Sweetspot

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



12.4539, 11.3975, 10.7762



26.7546, 27.1504, 28.6099



13.8446, 11.9535, 18.1006



6.3519, 6.4321, 6.7642



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.



12.4539, 11.3975, 10.7762



20.5442, 18.0630, 16.2639



13.7154, 13.9204, 11.1967



3.6840, 3.7009, 3.8625



8.0829, 4.1670, 0.3783



39.3887, 20.3059, 1.8434

Inverse Universe

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



13.4221, 15.8260, 18.8703



22.5608, 27.2867, 33.1223



11.9284, 12.8385, 18.3724



3.7833, 4.1552, 4.6929



10.5453, 15.4303, 20.9651



51.3882, 75.1930, 102.1656

Previews

White Background



This preview shows how the XYZ color 12.4536, 11.3970, 10.7760 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 12.4536, 11.3970, 10.7760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

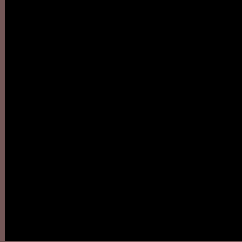
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4536, 11.3970, 10.7760

Background



This preview shows how black text looks on a background with the XYZ color 12.4536, 11.3970, 10.7760.



This preview shows how white text looks on a background with the XYZ color 12.4536, 11.3970,

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

12.4536, 11.3970, 10.7760

Protanopia

11.0610, 11.5538, 11.7723

Deuteranopia

11.6109, 11.4682, 10.6185



Tritanopia

12.7647, 11.4064, 12.1186

Trichromacy



Original Color

12.4536, 11.3970, 10.7760

Protanomaly

11.5412, 11.4129, 11.4922

Deuteranomaly

11.8918, 11.4853, 10.6069

Tritanomaly

12.6761, 11.3710, 11.6519

Monochromacy



Original Color

12.4536, 11.3970, 10.7760

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.4837, 11.5026, 11.9709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4536, 11.3970, 10.7760 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, 88, 88)` looks like.

```
.text, #text, p{  
    color:rgb(116, 88, 88)  
}
```

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, 88, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 88, 88) }
```

Border

The CSS property to change the border of an element to XYZ 12.4536, 11.3970, 10.7760 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, 88, 88) }
```


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

```
.border{ border-color:rgb(116, 88, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 88, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 88, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 88, 88);  
box-shadow:4px 4px 4px 4px rgb(116, 88,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4536, 11.3970, 10.7760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 88, 88) }
```

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

```
.background{ background-color: rgb(116, 88,  
88) }
```

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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