

Converting Colors

XYZ(12.5852, 13.5373, 8.7871)

Have a look what the booklet for
XYZ(12.5852, 13.5373, 8.7871)
contains.

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Color

**XYZ(12.5852, 13.5373,
8.7871)**

Conversions

Conversions Part 1

Format	Color
Hex	6E674C
RGB	110, 103, 76
RGB Percent	43%, 40%, 30%
CMY	0.5686, 0.5961, 0.7020
CMYK	0.00, 0.06, 0.31, 0.57
HSL	48°, 18%, 36%
HSV	48°, 31%, 43%
XYZ	12.5852, 13.5373, 8.7871
YIQ	102.0150, 12.8390, -6.9130

Conversions

Conversions Part 2

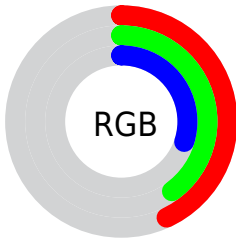
Format	Color
RYB	85, 110, 76
Decimal	7235404
CIELab	43.56, -1.89, 16.26
CIElCh	44, 16.373, 96.617
Yxy	13.5373, 0.3605, 0.3878
Android (android.graphics.Color)	4285425484 (0xFF6E674C)
YUV	102.0150, -12.8254, 7.0028
Hunter-Lab	36.7931, -3.3313, 11.5952

Details

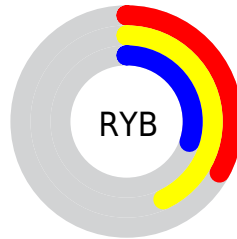
The XYZ color **12.5852, 13.5373, 8.7871** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.8882, 8.8486, 15.9915**, and the grayscale version is **12.6636, 13.3231, 14.5089**.

A 20% lighter version of the original color is **30.1576, 32.2733, 24.0419**, and **3.6615, 3.9568, 1.9373** is the 20% darker color. If you saturate the color by 10%, you get **12.0130, 12.9534, 6.8683**, and if you desaturate by 10%, it is **13.2296, 14.1608, 11.0530**.

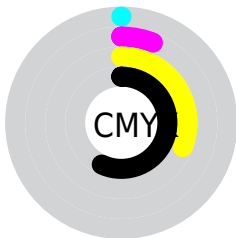
Distribution



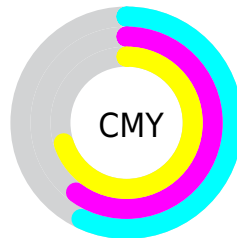
- Red (43%)
- Green (40%)
- Blue (30%)



- Red (33%)
- Yellow (43%)
- Blue (30%)



- Cyan (0%)
- Magenta (6%)
- Yellow (31%)
- Black (57%)



- Cyan (57%)
- Magenta (60%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5852, 13.5373, 8.7871 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 12.5852, 13.5373, 8.7871 by changing the saturation by 10% instead.

■ 12.5852, 13.5373,
8.7871

■ 12.5852, 13.5373,
8.7871

201.9337,
214.3330, 191.9409

■ 7.2186, 7.7996,
4.5077

■ 30.1642, 32.2657,
24.0588

■ 3.6467, 3.9670,
1.9078

■ 43.1073, 46.0253,
35.8881

■ 1.5043, 1.6551,
0.4977

■ 59.3067, 63.2275,
51.0711

■ 0.3287, 0.3943,
0.0000

■ 79.1275, 84.2568,
70.0264

■ 0.0000, 0.0000,
0.0000

■ 102.9353,
109.4976, 93.1725

131.0954,

139.3343, 120.9279

163.9730,
174.1513, 153.7112

■ 12.5852, 13.5373,
8.7871

■ 12.5852, 13.5373,
8.7871

■ 12.0130, 12.9534,
6.8683

■ 13.2296, 14.1608,
11.0530

■ 11.5086, 12.4059,
5.2781

■ 13.9483, 14.8233,
13.6815

■ 11.0687, 11.8937,
3.9979

■ 14.7447, 15.5268,
16.6881

■ 10.6892, 11.4153,
3.0065

■ 15.6214, 16.2725,
20.0872

■ 10.3656, 10.9686,
2.2803

■ 16.5811, 17.0613,
23.8924

■ 10.0926, 10.5516,
1.7919

■ 17.6263, 17.8946,
28.1166

■ 9.8679, 10.1900,
1.4468

■ 18.7594, 18.7731,
32.7724

■ 19.9828, 19.6981,
37.8715

■ 21.2985, 20.6703,
43.4254

Harmonies

Analogous

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



13.8687, 13.5373, 9.1694



12.5852, 13.5373, 8.7871



11.4536, 13.5373, 9.7743

Triad

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



12.5852, 13.5373, 8.7871



10.9903, 13.5373, 19.3577



15.2612, 13.5373, 17.7187

Complementary

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



12.5852, 13.5373, 8.7871



8.8882, 8.8486, 15.9915

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.



14.3917, 13.5373, 21.1537



12.5852, 13.5373, 8.7871



11.9143, 13.5373, 22.2043

Square

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



12.5852, 13.5373, 8.7871



10.5731, 13.5373, 15.5673



13.1526, 13.5373, 22.9109



15.4703, 13.5373, 13.9422

Rectangle

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



12.5852, 13.5373, 8.7871



10.9187, 13.5373, 11.1909



13.1526, 13.5373, 22.9109



15.0338, 13.5373, 18.9694

Sweetspot

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



12.5855, 13.5379, 8.7874



24.7196, 26.2336, 24.8615



10.5905, 9.1143, 9.4592



5.7172, 6.0731, 5.6539



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.5855, 13.5379, 8.7874



21.3782, 23.0417, 12.9856



12.1768, 14.4041, 8.9761



3.5864, 3.8054, 3.6188



11.8336, 12.1998, 1.7311



58.3210, 59.5171, 8.4141

Inverse Universe

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



8.8882, 8.8486, 15.9915



13.7937, 13.4250, 27.7715



9.2031, 8.2559, 15.8605



3.2681, 3.4015, 4.2385



3.7216, 2.0335, 17.9180



18.0224, 9.0967, 89.0851

Previews

White Background



This preview shows how the XYZ color 12.5852, 13.5373, 8.7871 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 12.5852, 13.5373, 8.7871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

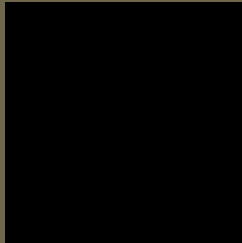
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5852, 13.5373, 8.7871

Background



This preview shows how black text looks on a background with the XYZ color 12.5852, 13.5373, 8.7871.



This preview shows how white text looks on a background with the XYZ color 12.5852, 13.5373,

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

12.5852, 13.5373, 8.7871

Protanopia

12.5852, 13.5373, 8.7871

Deuteranopia

13.6866, 13.5245, 8.9103



Tritanopia

14.0551, 13.5626, 15.7870

Trichromacy



Original Color

12.5852, 13.5373, 8.7871

Protanomaly

12.5852, 13.5373, 8.7871

Deuteranomaly

13.2328, 13.4321, 8.9164

Tritanomaly

13.4785, 13.4696, 12.9558

Monochromacy



Original Color

12.5852, 13.5373, 8.7871

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.5529, 13.2963, 12.2608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5852, 13.5373, 8.7871 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(110, 103, 76)` looks like.

```
.text, #text, p{  
    color:rgb(110, 103, 76)  
}
```

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(110, 103, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 103, 76) }
```

Border

The CSS property to change the border of an element to XYZ 12.5852, 13.5373, 8.7871 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(110, 103, 76) }
```


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

```
.border{ border-color:rgb(110, 103, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 103, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 103, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 103, 76);  
box-shadow:4px 4px 4px 4px rgb(110, 103,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5852, 13.5373, 8.7871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 103, 76) }
```

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

```
.background{ background-color: rgb(110,  
103, 76) }
```

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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