

Converting Colors

XYZ(12.7951, 12.9920, 10.4844)

Have a look what the booklet for
XYZ(12.7951, 12.9920, 10.4844)
contains.

XYZ(12.7836, 13.0243, 10.4345)	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(12.7836, 13.0243,
10.4345)**

Conversions

Conversions Part 1

Format	Color
Hex	706355
RGB	112, 99, 85
RGB Percent	44%, 39%, 33%
CMY	0.5608, 0.6118, 0.6667
CMYK	0.00, 0.12, 0.24, 0.56
HSL	31°, 14%, 39%
HSV	31°, 24%, 44%
XYZ	12.7836, 13.0243, 10.4345
YIQ	101.2910, 12.2420, -1.5980

Conversions

Conversions Part 2

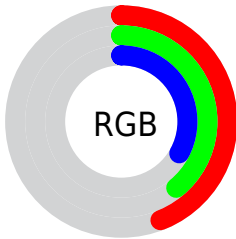
Format	Color
R_{YB}	110, 112, 85
Decimal	7365461
CIE _{Lab}	42.80, 2.73, 9.86
CIE _{LCh}	43, 10.226, 74.515
Yxy	13.0243, 0.3527, 0.3594
Android (android.graphics.Color)	4285555541 (0xFF706355)
YUV	101.2910, -8.0315, 9.3918
Hunter-Lab	36.0892, 0.0726, 8.1199

Details

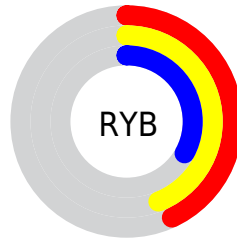
The XYZ color **12.7836, 13.0243, 10.4345** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.0385, 11.8361, 17.0320**, and the grayscale version is **12.4631, 13.1121, 14.2791**.

A 20% lighter version of the original color is **30.5894, 31.4545, 27.3808**, and **3.7705, 3.7894, 2.5402** is the 20% darker color. If you saturate the color by 10%, you get **11.8797, 11.8730, 8.1090**, and if you desaturate by 10%, it is **13.7928, 14.2732, 13.1429**.

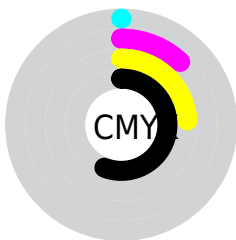
Distribution



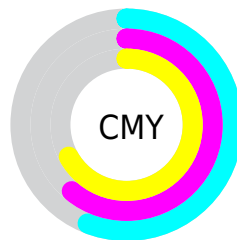
- Red (44%)
- Green (39%)
- Blue (33%)



- Red (43%)
- Yellow (44%)
- Blue (33%)



- Cyan (0%)
- Magenta (12%)
- Yellow (24%)
- Black (56%)



- Cyan (56%)
- Magenta (61%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7836, 13.0243, 10.4345 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 12.7836, 13.0243, 10.4345 by changing the saturation by 10% instead.

■ 12.7836, 13.0243,
10.4345

■ 12.7836, 13.0243,
10.4345

203.1919,
211.0733, 204.3419

■ 7.3557, 7.4453,
5.5786

■ 30.5191, 31.3474,
27.2301

■ 3.7338, 3.7421,
2.5260

■ 43.5574, 44.8603,
40.0069

■ 1.5527, 1.5304,
0.8539

■ 59.8631, 61.7867,
56.2611

■ 0.3613, 0.3100,
0.0000

■ 79.8018, 82.5108,
76.4112

■ 0.0000, 0.0000,
0.0000

■ 103.7386,
107.4171, 100.8758

132.0390,

136.8901, 130.0734

165.0683,
171.3140, 164.4226

■ 12.7836, 13.0243,
10.4345

■ 12.7836, 13.0243,
10.4345

■ 11.8797, 11.8730,
8.1090

■ 13.7928, 14.2732,
13.1429

■ 11.0760, 10.8148,
6.1480

■ 14.9099, 15.6205,
16.2500

■ 10.3687, 9.8476,
4.5328

■ 16.1389, 17.0691,
19.7714

■ 9.7531, 8.9684,
3.2425

■ 17.4831, 18.6213,
23.7219

■ 9.2242, 8.1741,
2.2540

■ 18.9457, 20.2795,
28.1154

■ 8.7763, 7.4611,
1.5413

■ 20.5297, 22.0457,
32.9653

■ 8.4010, 6.8248,
1.0641

■ 22.2382, 23.9220,
38.2843

■ 8.1994, 6.4794,
0.8185

■ 24.0739, 25.9104,
44.0846

■ 26.0396, 28.0130,
50.3781

Harmonies

Analogous

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



13.4788, 13.0243, 11.3802



12.7836, 13.0243, 10.4345



12.0074, 13.0243, 10.4192

Triad

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



12.7836, 13.0243, 10.4345



10.9845, 13.0243, 15.2843



13.4598, 13.0243, 17.4668

Complementary

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



12.7836, 13.0243, 10.4345



11.0385, 11.8361, 17.0320

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.



12.7586, 13.0243, 18.7547



12.7836, 13.0243, 10.4345



11.3411, 13.0243, 17.4079

Square

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



12.7836, 13.0243, 10.4345



10.9905, 13.0243, 13.0661



11.9834, 13.0243, 18.7321



13.8802, 13.0243, 15.3581

Rectangle

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



12.7836, 13.0243, 10.4345



11.5494, 13.0243, 10.9309



11.9834, 13.0243, 18.7321



13.2478, 13.0243, 18.0194

Sweetspot

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



12.7839, 13.0249, 10.4348



25.5687, 26.6944, 26.7914



12.1376, 10.8247, 13.0174



6.1244, 6.3911, 6.3851



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.7839, 13.0249, 10.4348



21.5381, 21.7170, 15.9409



14.0589, 15.6595, 10.8761



3.5142, 3.6610, 3.5948



9.4561, 7.4446, 0.9386



46.2370, 35.3492, 4.3861

Inverse Universe

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



11.0385, 11.8361, 17.0320



17.8980, 19.2382, 29.6998



9.9606, 9.6194, 16.6610



3.3377, 3.5408, 4.2617



4.8787, 4.3478, 18.3037



23.4478, 19.9475, 90.8935

Previews

White Background



This preview shows how the XYZ color 12.7836, 13.0243, 10.4345 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 12.7836, 13.0243, 10.4345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

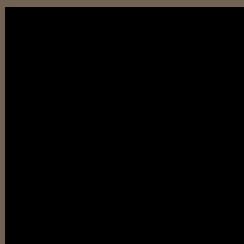
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7836, 13.0243, 10.4345

Background



This preview shows how black text looks on a background with the XYZ color 12.7836, 13.0243, 10.4345.



This preview shows how white text looks on a background with the XYZ color 12.7836, 13.0243,

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

12.7836, 13.0243, 10.4345

Protanopia

12.2773, 13.0434, 10.6746

Deuteranopia

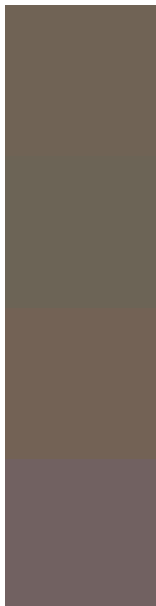
13.1168, 12.9183, 10.3965



Tritanopia

13.6210, 12.9426, 14.8770

Trichromacy



Original Color

12.7836, 13.0243, 10.4345

Protanomaly

12.4212, 12.9744, 10.6537

Deuteranomaly

13.0776, 13.0361, 10.4213

Tritanomaly

13.2424, 12.9232, 13.1057

Monochromacy



Original Color

12.7836, 13.0243, 10.4345

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.4484, 12.9438, 12.6688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7836, 13.0243, 10.4345 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(112, 99, 85)` looks like.

```
.text, #text, p{  
    color:rgb(112, 99, 85)  
}
```

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(112, 99, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 99, 85) }
```

Border

The CSS property to change the border of an element to XYZ 12.7836, 13.0243, 10.4345 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(112, 99, 85) }
```


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

```
.border{ border-color:rgb(112, 99, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 99, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 99, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 99, 85);  
box-shadow:4px 4px 4px 4px rgb(112, 99,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7836, 13.0243, 10.4345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 99, 85) }
```

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

```
.background{ background-color: rgb(112, 99,  
85) }
```

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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