

Converting Colors

XYZ(12.5836, 12.8883, 13.9752)

Have a look what the booklet for
XYZ(12.5836, 12.8883, 13.9752)
contains.

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Color

**XYZ(12.5878, 12.8470,
13.8729)**

Conversions

Conversions Part 1

Format	Color
Hex	696364
RGB	105, 99, 100
RGB Percent	41%, 39%, 39%
CMY	0.5882, 0.6118, 0.6078
CMYK	0.00, 0.06, 0.05, 0.59
HSL	350°, 3%, 40%
HSV	350°, 6%, 41%
XYZ	12.5878, 12.8470, 13.8729
YIQ	100.9080, 3.2550, 1.5830

Conversions

Conversions Part 2

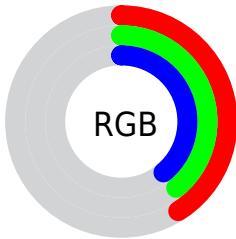
Format	Color
R_{YB}	105, 99, 100
Decimal	6906724
CIE _{Lab}	42.53, 2.57, 0.28
CIE _{LCh}	43, 2.586, 6.172
Yxy	12.8470, 0.3202, 0.3268
Android (android.graphics.Color)	4285096804 (0xFF696364)
YUV	100.9080, -0.4476, 3.5887
Hunter-Lab	35.8427, -0.0363, 2.1417

Details

The XYZ color **12.5878, 12.8470, 13.8729** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6963, 13.7556, 15.0833**, and the grayscale version is **12.3467, 12.9897, 14.1458**.

A 20% lighter version of the original color is **30.2026, 31.1150, 33.6921**, and **3.6606, 3.7028, 3.8899** is the 20% darker color. If you saturate the color by 10%, you get **11.2560, 10.8251, 11.4501**, and if you desaturate by 10%, it is **14.0952, 15.1469, 16.5792**.

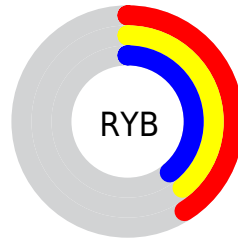
Distribution



Red (41%)

Green (39%)

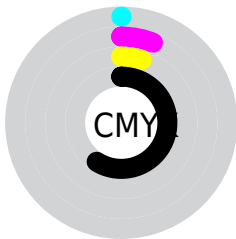
Blue (39%)



Red (41%)

Yellow (39%)

Blue (39%)

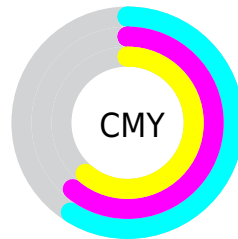


Cyan (0%)

Magenta (6%)

Yellow (5%)

Black (59%)



Cyan (59%)

Magenta (61%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5878, 12.8470, 13.8729 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 12.5878, 12.8470, 13.8729 by changing the saturation by 10% instead.

■ 12.5878, 12.8470,
13.8729

■ 12.5878, 12.8470,
13.8729

201.9502,
209.9348, 227.8396

■ 7.2204, 7.3233,
7.8946

■ 30.1689, 31.0286,
33.5772

■ 3.6478, 3.6651,
3.9408

■ 43.1133, 44.4553,
48.1403

■ 1.5049, 1.4880,
1.5929

■ 59.3140, 61.2852,
66.4020

■ 0.3292, 0.2803,
0.2857

■ 79.1364, 81.9025,
88.7810

■ 0.0000, 0.0000,
0.0000

102.9459,
106.6917, 115.6956

131.1078,

136.0372, 147.5646

163.9874,
170.3235, 184.8064

■ 12.5878, 12.8470,
13.8729

■ 12.5878, 12.8470,
13.8729

■ 11.2560, 10.8251,
11.4501

■ 14.0952, 15.1469,
16.5792

■ 10.0923, 9.0692,
9.3007

■ 15.7833, 17.7331,
19.5768

■ 9.0904, 7.5686,
7.4152

■ 17.6580, 20.6156,
22.8745

■ 8.2429, 6.3113,
5.7836

■ 19.7249, 23.8034,
26.4802

■ 7.5422, 5.2846,
4.3947

■ 21.9894, 27.3051,
30.4017

■ 6.9797, 4.4744,
3.2369

■ 24.4564, 31.1289,
34.6466

■ 6.5461, 3.8650,
2.2975

■ 27.1308, 35.2828,
39.2219

■ 6.2308, 3.4387,
1.5625

■ 30.0174, 39.7745,
44.1347

■ 6.0122, 3.1560,
1.0130

■ 33.1207, 44.6115,
49.3917

Harmonies

Analogous

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



12.5574, 12.8470, 14.4271



12.5878, 12.8470, 13.8729



12.5163, 12.8470, 13.3631

Triad

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



12.5878, 12.8470, 13.8729



11.9904, 12.8470, 13.1380



12.0596, 12.8470, 14.9951

Complementary

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



12.5878, 12.8470, 13.8729



12.6963, 13.7556, 15.0833

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.



11.9101, 12.8470, 14.6325



12.5878, 12.8470, 13.8729



11.8704, 12.8470, 13.5583

Square

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



12.5878, 12.8470, 13.8729



12.1704, 12.8470, 12.9461



11.8412, 12.8470, 14.1041



12.2511, 12.8470, 15.0848

Rectangle

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



12.5878, 12.8470, 13.8729



12.4209, 12.8470, 13.1138



11.8412, 12.8470, 14.1041



12.0029, 12.8470, 14.9006

Sweetspot

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



12.5882, 12.8476, 13.8732



23.4898, 24.4513, 26.5528



12.7210, 12.8872, 15.1819



5.5133, 5.7442, 6.2395



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.5882, 12.8476, 13.8732



22.1656, 22.4347, 24.1637



12.7319, 13.2119, 13.6841



3.1820, 3.2209, 3.4692



7.4986, 3.8516, 0.9881



37.9823, 19.5349, 3.8437

Inverse Universe

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



12.5882, 12.8476, 13.8732



22.1656, 22.4347, 24.1637



12.5461, 13.3735, 15.2849



3.1820, 3.2209, 3.4692



7.4986, 3.8516, 0.9881



37.9823, 19.5349, 3.8437

Previews

White Background



This preview shows how the XYZ color 12.5878, 12.8470, 13.8729 looks on a white background.

Color Contrast Check

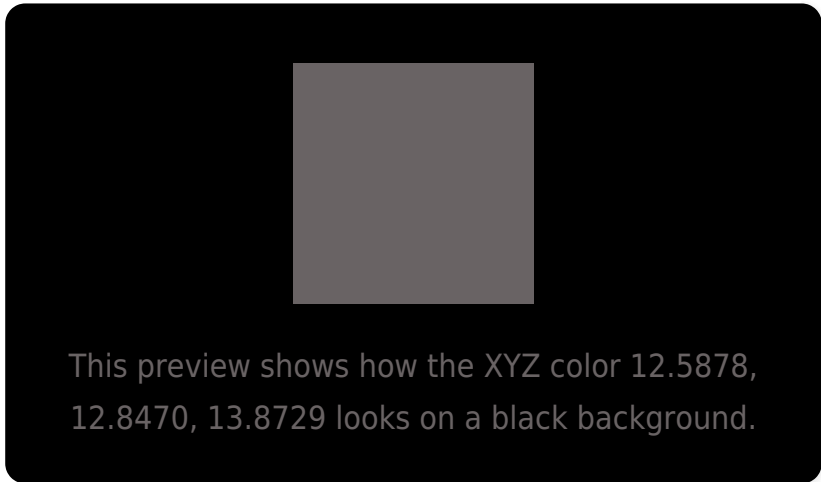
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

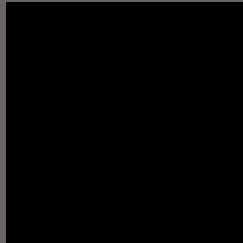
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5878, 12.8470, 13.8729

Background



This preview shows how black text looks on a background with the XYZ color 12.5878, 12.8470, 13.8729.



This preview shows how white text looks on a background with the XYZ color 12.5878, 12.8470,

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

12.5878, 12.8470, 13.8729

Protanopia

12.3856, 12.8787, 14.1450

Deuteranopia

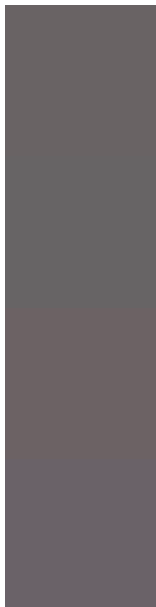
13.0054, 12.7845, 13.8388



Tritanopia

12.9131, 12.8401, 15.4335

Trichromacy



Original Color

12.5878, 12.8470, 13.8729

Protanomaly

12.4997, 12.9375, 14.1503

Deuteranomaly

12.8523, 12.8436, 13.8583

Tritanomaly

12.8102, 12.7990, 14.8920

Monochromacy



Original Color

12.5878, 12.8470, 13.8729

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.3856, 12.8787, 14.1450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5878, 12.8470, 13.8729 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(105, 99, 100)` looks like.

```
.text, #text, p{  
    color:rgb(105, 99, 100)  
}
```

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(105, 99, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 99, 100) }
```

Border

The CSS property to change the border of an element to XYZ 12.5878, 12.8470, 13.8729 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(105, 99, 100) }
```


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

```
.border{ border-color:rgb(105, 99, 100) }
```

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

Here you see how a box with a 4 pixel rgb(105, 99, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 99, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 99, 100);  
box-shadow:4px 4px 4px 4px rgb(105, 99,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5878, 12.8470, 13.8729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 99, 100) }
```

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

```
.background{ background-color: rgb(105, 99,  
100) }
```

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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