

Converting Colors

XYZ(12.5498, 13.4044, 13.9826)

Have a look what the booklet for
XYZ(12.5498, 13.4044, 13.9826)
contains.

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Color

**XYZ(12.5173, 13.3873,
13.9809)**

Conversions

Conversions Part 1

Format	Color
Hex	656764
RGB	101, 103, 100
RGB Percent	40%, 40%, 39%
CMY	0.6039, 0.5961, 0.6078
CMYK	0.02, 0.00, 0.03, 0.60
HSL	100°, 1%, 40%
HSV	100°, 3%, 40%
XYZ	12.5173, 13.3873, 13.9809
YIQ	102.0600, -0.2290, -1.3570

Conversions

Conversions Part 2

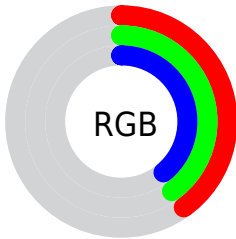
Format	Color
R_{YB}	100, 103, 102
Decimal	6645604
CIE Lab	43.34, -1.39, 1.41
CIE LCh	43, 1.985, 134.617
Yxy	13.3873, 0.3138, 0.3356
Android (android.graphics.Color)	4284835684 (0xFF656764)
YUV	102.0600, -1.0156, -0.9296
Hunter-Lab	36.5887, -2.9637, 2.9567

Details

The XYZ color **12.5173, 13.3873, 13.9809** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.4854, 12.9188, 14.6682**, and the grayscale version is **12.6479, 13.3066, 14.4909**.

A 20% lighter version of the original color is **30.0904, 32.0210, 33.8729**, and **3.5781, 3.8697, 3.9265** is the 20% darker color. If you saturate the color by 10%, you get **11.3126, 12.8207, 11.4846**, and if you desaturate by 10%, it is **13.8501, 14.0135, 16.8129**.

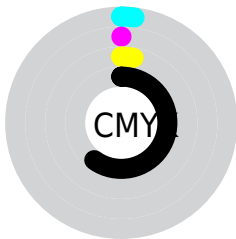
Distribution



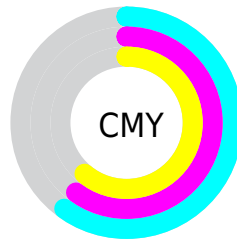
- Red (40%)
- Green (40%)
- Blue (39%)



- Red (39%)
- Yellow (40%)
- Blue (40%)



- Cyan (2%)
- Magenta (0%)
- Yellow (3%)
- Black (60%)



- Cyan (60%)
- Magenta (60%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5173, 13.3873, 13.9809 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 12.5173, 13.3873, 13.9809 by changing the saturation by 10% instead.

■ 12.5173, 13.3873,
13.9809

■ 12.5173, 13.3873,
13.9809

201.5013,
213.3851, 228.5363

■ 7.1717, 7.6958,
7.9688

■ 30.0426, 31.9979,
33.7718

■ 3.6170, 3.9009,
3.9875

■ 42.9530, 45.6857,
48.3876

■ 1.4878, 1.6183,
1.6185

■ 59.1157, 62.8077,
66.7084

■ 0.3175, 0.3699,
0.3040

■ 78.8960, 83.7484,
89.1528

■ 0.0000, 0.0000,
0.0000

102.6594,
108.8921, 116.1392

130.7712,

138.6232, 148.0862

163.5967,
173.3260, 185.4124

■ 12.5173, 13.3873,
13.9809

■ 12.5173, 13.3873,
13.9809

■ 11.3126, 12.8207,
11.4846

■ 13.8501, 14.0135,
16.8129

■ 10.2311, 12.3101,
9.3106

■ 15.3137, 14.6992,
19.9914

■ 9.2689, 11.8543,
7.4461

■ 16.9120, 15.4465,
23.5279

■ 8.4217, 11.4514,
5.8770

■ 18.6484, 16.2570,
27.4332

■ 7.6849, 11.0994,
4.5880

■ 20.5263, 17.1322,
31.7175

■ 7.0534, 10.7959,
3.5627

■ 22.5488, 18.0735,
36.3906

■ 6.5220, 10.5386,
2.7827

■ 24.7191, 19.0823,
41.4619

■ 6.0846, 10.3250,
2.2274

■ 27.0400, 20.1599,
46.9408

■ 5.7333, 10.1515,
1.8668

■ 29.5146, 21.3077,
52.8360

Harmonies

Analogous

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



12.6496, 13.3873, 13.7709



12.5173, 13.3873, 13.9809



12.4407, 13.3873, 14.3526

Triad

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



12.5173, 13.3873, 13.9809



12.6458, 13.3873, 15.4099



13.0130, 13.3873, 14.3635

Complementary

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



12.5173, 13.3873, 13.9809



12.4854, 12.9188, 14.6682

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.



13.0120, 13.3873, 14.8027



12.5173, 13.3873, 13.9809



12.7991, 13.3873, 15.4129

Square

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



12.5173, 13.3873, 13.9809



12.5145, 13.3873, 15.1805



12.9334, 13.3873, 15.1888



12.9363, 13.3873, 13.9887

Rectangle

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



12.5173, 13.3873, 13.9809



12.4312, 13.3873, 14.6449



12.9334, 13.3873, 15.1888



13.0218, 13.3873, 14.5083

Sweetspot

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



12.5177, 13.3879, 13.9812



22.8451, 24.1742, 25.9427



12.6457, 13.3070, 13.9588



5.5785, 5.9002, 6.3396



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.



12.5177, 13.3879, 13.9812



22.3736, 23.9526, 24.9508



12.4307, 13.3403, 14.1039



3.0350, 3.2580, 3.3702



6.9091, 12.6205, 2.0718



35.1901, 65.3871, 10.7663

Inverse Universe

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



12.4854, 12.9188, 14.6682



22.3126, 23.0637, 26.2528



12.5744, 12.9676, 14.5417



3.0254, 3.1186, 3.5745



6.1043, 2.7911, 16.3613



30.8836, 14.0653, 85.2885

Previews

White Background



This preview shows how the XYZ color 12.5173, 13.3873, 13.9809 looks on a white background.

Color Contrast Check

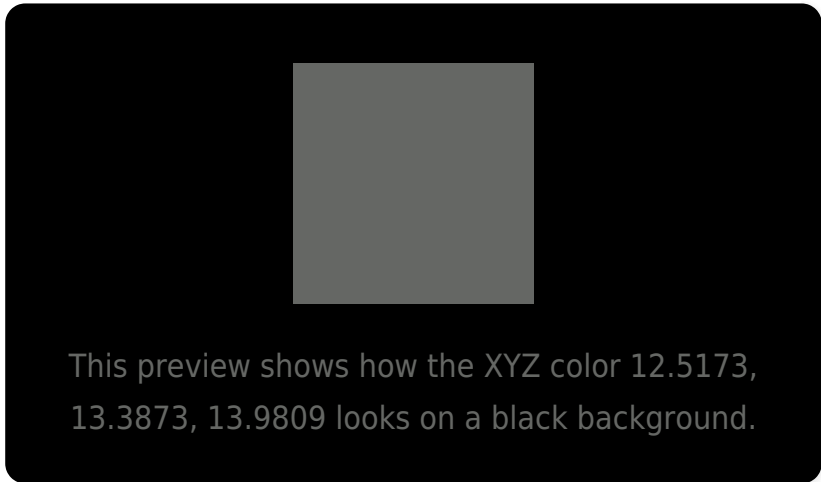
Large Text (above 18pt) WCAG AA ✓ Pass

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

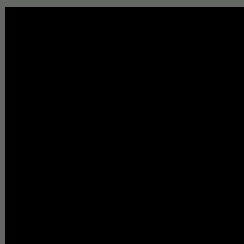
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5173, 13.3873, 13.9809

Background



This preview shows how black text looks on a background with the XYZ color 12.5173, 13.3873, 13.9809.



This preview shows how white text looks on a background with the XYZ color 12.5173, 13.3873,

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

12.5173, 13.3873, 13.9809

Protanopia

12.8292, 13.4069, 13.7160

Deuteranopia

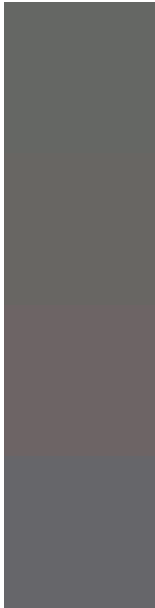
13.6209, 13.3740, 14.1755



Tritanopia

13.0453, 13.4533, 16.6610

Trichromacy



Original Color

12.5173, 13.3873, 13.9809

Protanomaly

12.7124, 13.3467, 13.7105

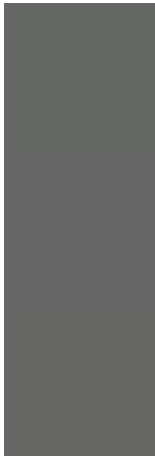
Deuteranomaly

13.2128, 13.3051, 14.1837

Tritanomaly

12.8324, 13.3681, 15.5396

Monochromacy



Original Color

12.5173, 13.3873, 13.9809

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.5798, 13.2671, 14.2097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5173, 13.3873, 13.9809 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(101, 103, 100)` looks like.

```
.text, #text, p{  
    color:rgb(101, 103, 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(101, 103, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 103, 100) }
```

Border

The CSS property to change the border of an element to XYZ 12.5173, 13.3873, 13.9809 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(101, 103, 100) }
```


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

```
.border{ border-color:rgb(101, 103, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 103, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 103, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 103, 100);  
box-shadow:4px 4px 4px 4px rgb(101, 103,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5173, 13.3873, 13.9809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 103, 100) }
```

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

```
.background{ background-color: rgb(101,  
103, 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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