

Converting Colors

XYZ(12.4019, 13.7831, 14.1648)

Have a look what the booklet for
XYZ(12.4019, 13.7831, 14.1648)
contains.

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Color

**XYZ(12.3840, 13.7696,
14.0617)**

Conversions

Conversions Part 1

Format	Color
Hex	616A64
RGB	97, 106, 100
RGB Percent	38%, 42%, 39%
CMY	0.6196, 0.5843, 0.6078
CMYK	0.08, 0.00, 0.06, 0.58
HSL	140°, 4%, 40%
HSV	140°, 8%, 42%
XYZ	12.3840, 13.7696, 14.0617
YIQ	102.6250, -3.4380, -3.7740

Conversions

Conversions Part 2

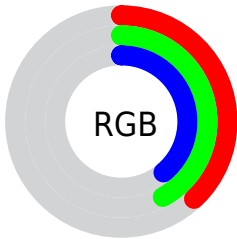
Format	Color
R _Y B	97, 104, 106
Decimal	6384228
CIE Lab	43.90, -4.71, 2.18
CIE LCh	44, 5.194, 155.137
Yxy	13.7696, 0.3079, 0.3424
Android (android.graphics.Color)	4284574308 (0xFF616A64)
YUV	102.6250, -1.2941, -4.9331
Hunter-Lab	37.1074, -5.3665, 3.5075

Details

The XYZ color **12.3840, 13.7696, 14.0617** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6672, 12.5930, 14.5955**, and the grayscale version is **12.7975, 13.4639, 14.6622**.

A 20% lighter version of the original color is **29.8556, 32.6442, 34.0056**, and **3.5718, 4.0888, 3.9691** is the 20% darker color. If you saturate the color by 10%, you get **11.0019, 13.0953, 12.2884**, and if you desaturate by 10%, it is **13.9476, 14.5348, 15.9990**.

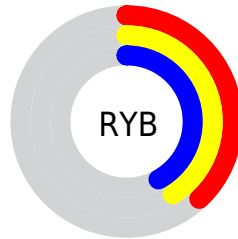
Distribution



Red (38%)

Green (42%)

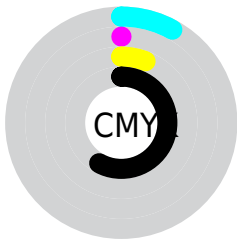
Blue (39%)



Red (38%)

Yellow (41%)

Blue (42%)

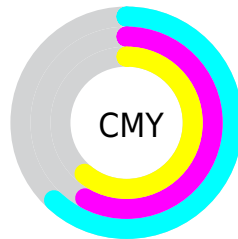


Cyan (8%)

Magenta (0%)

Yellow (6%)

Black (58%)



Cyan (62%)

Magenta (58%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3840, 13.7696, 14.0617 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 12.3840, 13.7696, 14.0617 by changing the saturation by 10% instead.

■ 12.3840, 13.7696,
14.0617

■ 12.3840, 13.7696,
14.0617

200.6496,
215.7928, 229.0561

■ 7.0798, 7.9606,
8.0244

■ 29.8034, 32.6797,
33.9172

■ 3.5588, 4.0697,
4.0225

■ 42.6493, 46.5495,
48.5724

■ 1.4557, 1.7127,
1.6377

■ 58.7399, 63.8751,
66.9373

■ 0.2954, 0.4318,
0.3175

■ 78.4404, 85.0408,
89.4304

■ 0.0000, 0.0000,
0.0000

102.1163,
110.4310, 116.4703

130.1329,

140.4301, 148.4755

162.8555,
175.4226, 185.8646

■ 12.3840, 13.7696,
14.0617

■ 12.3840, 13.7696,
14.0617

■ 11.0019, 13.0953,
12.2884

■ 13.9476, 14.5348,
15.9990

■ 9.7933, 12.5067,
10.6739

■ 15.6977, 15.3923,
18.1034

■ 8.7515, 12.0009,
9.2142

■ 17.6409, 16.3457,
20.3793

■ 7.8690, 11.5740,
7.9047

■ 19.7829, 17.3978,
22.8303

■ 7.1375, 11.2219,
6.7404

■ 22.1291, 18.5516,
25.4601

■ 6.5479, 10.9401,
5.7163

■ 24.6849, 19.8095,
28.2723

■ 6.0904, 10.7234,
4.8271

■ 27.4553, 21.1743,
31.2705

■ 5.7534, 10.5661,
4.0668

■ 30.4453, 22.6482,
34.4578

■ 5.4989, 10.4488,
3.4282

■ 33.6597, 24.2338,
37.8377

Harmonies

Analogous

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



12.6383, 13.7696, 13.2180



12.3840, 13.7696, 14.0617



12.3166, 13.7696, 15.1962

Triad

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



12.3840, 13.7696, 14.0617



13.1584, 13.7696, 17.3603



13.7442, 13.7696, 13.7283

Complementary

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



12.3840, 13.7696, 14.0617



12.6672, 12.5930, 14.5955

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.



13.8901, 13.7696, 14.7911



12.3840, 13.7696, 14.0617



13.5474, 13.7696, 16.9196

Square

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



12.3840, 13.7696, 14.0617



12.7583, 13.7696, 17.1401



13.8173, 13.7696, 15.9640



13.4225, 13.7696, 13.0327

Rectangle

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



12.3840, 13.7696, 14.0617



12.3855, 13.7696, 15.9742



13.8173, 13.7696, 15.9640



13.8157, 13.7696, 14.0523

Sweetspot

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



12.3844, 13.7702, 14.0620



23.1778, 24.8717, 26.4809



12.9057, 14.0554, 13.3420



5.3857, 5.8048, 6.1490



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.



12.3844, 13.7702, 14.0620



21.2782, 23.9431, 24.1020



12.6084, 13.8598, 15.2416



3.1018, 3.4599, 3.5197



6.7642, 12.9398, 4.0693



34.0997, 65.7870, 18.8040

Inverse Universe

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



12.6672, 12.5930, 14.5955



21.8718, 21.4720, 25.2219



12.4472, 12.5050, 13.4372



3.1768, 3.1476, 3.6612



8.7588, 4.3557, 7.6245



44.2152, 22.0280, 36.6658

Previews

White Background



This preview shows how the XYZ color 12.3840, 13.7696, 14.0617 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 12.3840, 13.7696, 14.0617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

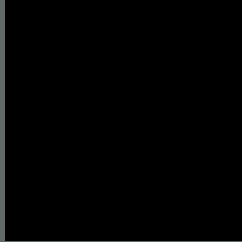
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

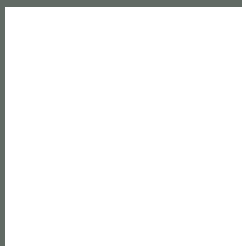
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.3840, 13.7696, 14.0617

Background



This preview shows how black text looks on a background with the XYZ color 12.3840, 13.7696, 14.0617.



This preview shows how white text looks on a background with the XYZ color 12.3840, 13.7696,

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

12.3840, 13.7696, 14.0617

Protanopia

13.1183, 13.7081, 13.5098

Deuteranopia

13.9764, 13.6988, 14.2194



Tritanopia

13.0205, 13.7231, 17.2918

Trichromacy



Original Color

12.3840, 13.7696, 14.0617

Protanomaly

12.7960, 13.6850, 13.7714

Deuteranomaly

13.2847, 13.6305, 14.2427

Tritanomaly

12.7954, 13.7825, 16.1733

Monochromacy



Original Color

12.3840, 13.7696, 14.0617

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.7154, 13.6266, 14.5304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3840, 13.7696, 14.0617 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(97, 106, 100) looks like.

```
.text, #text, p{  
    color:rgb(97, 106, 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(97, 106, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 106, 100) }
```

Border

The CSS property to change the border of an element to XYZ 12.3840, 13.7696, 14.0617 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(97, 106, 100) }
```


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

```
.border{ border-color:rgb(97, 106, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 106, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 106, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 106, 100);  
box-shadow:4px 4px 4px 4px rgb(97, 106,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3840, 13.7696, 14.0617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 106, 100) }
```

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

```
.background{ background-color: rgb(97, 106,  
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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