

Converting Colors

XYZ(12.4071, 13.4415, 13.9854)

Have a look what the booklet for
XYZ(12.4071, 13.4415, 13.9854)
contains.

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Color

**XYZ(12.3962, 13.4734,
14.0039)**

Conversions

Conversions Part 1

Format	Color
Hex	636864
RGB	99, 104, 100
RGB Percent	39%, 41%, 39%
CMY	0.6118, 0.5921, 0.6078
CMYK	0.05, 0.00, 0.04, 0.59
HSL	132°, 2%, 40%
HSV	132°, 5%, 41%
XYZ	12.3962, 13.4734, 14.0039
YIQ	102.0490, -1.6960, -2.3040

Conversions

Conversions Part 2

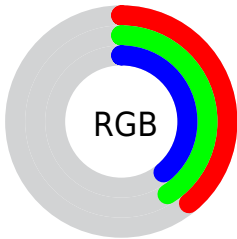
Format	Color
RYB	99, 103, 104
Decimal	6514788
CIELab	43.47, -2.76, 1.58
CIElCh	43, 3.182, 150.304
Yxy	13.4734, 0.3109, 0.3379
Android (android.graphics.Color)	4284704868 (0xFF636864)
YUV	102.0490, -1.0102, -2.6740
Hunter-Lab	36.7061, -3.9537, 3.0743

Details

The XYZ color **12.3962, 13.4734, 14.0039** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6195, 12.8464, 14.6472**, and the grayscale version is **12.6453, 13.3039, 14.4879**.

A 20% lighter version of the original color is **29.8849, 32.1611, 33.9108**, and **3.5739, 3.9402, 3.9403** is the 20% darker color. If you saturate the color by 10%, you get **10.9500, 12.7724, 11.9402**, and if you desaturate by 10%, it is **14.0307, 14.2675, 16.2918**.

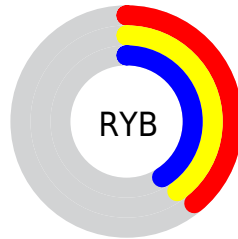
Distribution



Red (39%)

Green (41%)

Blue (39%)



Red (39%)

Yellow (40%)

Blue (41%)

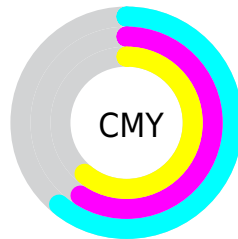


Cyan (5%)

Magenta (0%)

Yellow (4%)

Black (59%)



Cyan (61%)

Magenta (59%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3962, 13.4734, 14.0039 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 12.3962, 13.4734, 14.0039 by changing the saturation by 10% instead.

■ 12.3962, 13.4734,
14.0039

■ 12.3962, 13.4734,
14.0039

200.7277,
213.9297, 228.6844

■ 7.0882, 7.7553,
7.9846

■ 29.8253, 32.1517,
33.8132

■ 3.5642, 3.9388,
3.9975

■ 42.6772, 45.8807,
48.4402

■ 1.4586, 1.6394,
1.6240

■ 58.7743, 63.0488,
66.7736

■ 0.2974, 0.3839,
0.3078

■ 78.4822, 84.0404,
89.2319

■ 0.0000, 0.0000,
0.0000

102.1661,
109.2399, 116.2335

130.1914,

139.0317, 148.1971

162.9235,
173.8002, 185.5412

■ 12.3962, 13.4734,
14.0039

■ 12.3962, 13.4734,
14.0039

■ 10.9500, 12.7724,
11.9402

■ 14.0307, 14.2675,
16.2918

■ 9.6841, 12.1594,
10.0930

■ 15.8588, 15.1560,
18.8094

■ 8.5918, 11.6314,
8.4556

■ 17.8869, 16.1427,
21.5632

■ 7.6654, 11.1847,
7.0205

■ 20.1209, 17.2304,
24.5592

■ 6.8967, 10.8150,
5.7799

■ 22.5665, 18.4219,
27.8030

■ 6.2766, 10.5180,
4.7254

■ 25.2290, 19.7198,
31.3003

■ 5.7952, 10.2888,
3.8479

■ 28.1136, 21.1267,
35.0564

■ 5.4414, 10.1218,
3.1377

■ 31.2254, 22.6451,
39.0764

■ 5.1948, 10.0067,
2.5836

■ 34.5691, 24.2774,
43.3656

Harmonies

Analogous

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



12.5669, 13.4734, 13.5222



12.3962, 13.4734, 14.0039



12.3350, 13.4734, 14.6775

Triad

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



12.3962, 13.4734, 14.0039



12.8086, 13.4734, 16.0790



13.2223, 13.4734, 13.9917

Complementary

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



12.3962, 13.4734, 14.0039



12.6195, 12.8464, 14.6472

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.



13.2890, 13.4734, 14.6630



12.3962, 13.4734, 14.0039



13.0482, 13.4734, 15.8814

Square

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



12.3962, 13.4734, 14.0039



12.5712, 13.4734, 15.8891



13.2249, 13.4734, 15.3574



13.0438, 13.4734, 13.5154

Rectangle

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



12.3962, 13.4734, 14.0039



12.3639, 13.4734, 15.1494



13.2249, 13.4734, 15.3574



13.2586, 13.4734, 14.2013

Sweetspot

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



12.3966, 13.4740, 14.0042



22.7922, 24.1448, 26.0385



12.8061, 13.6907, 13.7723



5.5666, 5.8936, 6.3610



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.



12.3966, 13.4740, 14.0042



21.3834, 23.4610, 24.0527



12.5154, 13.5215, 14.6298



2.9125, 3.1968, 3.2754



6.2563, 12.2661, 2.8453



32.3690, 63.8701, 13.4650

Inverse Universe

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



12.6195, 12.8464, 14.6472



21.8808, 22.0608, 25.4873



12.4998, 12.7986, 14.0171



2.9810, 3.0042, 3.4728



8.9609, 4.3973, 10.4583



46.4215, 22.8086, 52.8902

Previews

White Background



This preview shows how the XYZ color 12.3962, 13.4734, 14.0039 looks on a white background.

Color Contrast Check

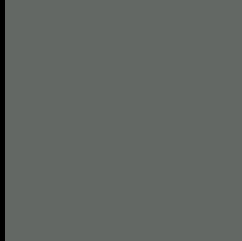
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3962, 13.4734, 14.0039 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

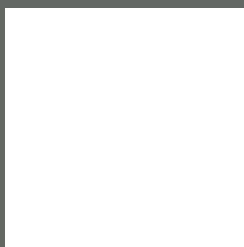
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.3962, 13.4734, 14.0039

Background



This preview shows how black text looks on a background with the XYZ color 12.3962, 13.4734, 14.0039.



This preview shows how white text looks on a background with the XYZ color 12.3962, 13.4734,

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

12.3962, 13.4734, 14.0039

Protanopia

12.8292, 13.4069, 13.7160

Deuteranopia

13.6209, 13.3740, 14.1755



Tritanopia

12.9874, 13.4171, 16.9442

Trichromacy

**Original Color**

12.3962, 13.4734, 14.0039

Protanomaly

12.6959, 13.4849, 13.7381

Deuteranomaly

13.1870, 13.4351, 14.2101

Tritanomaly

12.7596, 13.4714, 15.8376

Monochromacy

**Original Color**

12.3962, 13.4734, 14.0039

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.5660, 13.4068, 14.2374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3962, 13.4734, 14.0039 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(99, 104, 100) looks like.

```
.text, #text, p{  
    color:rgb(99, 104, 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(99, 104, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 104, 100) }
```

Border

The CSS property to change the border of an element to XYZ 12.3962, 13.4734, 14.0039 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(99, 104, 100) }
```


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

```
.border{ border-color:rgb(99, 104, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 104, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 104, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 104, 100);  
box-shadow:4px 4px 4px 4px rgb(99, 104,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3962, 13.4734, 14.0039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 104, 100) }
```

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

```
.background{ background-color: rgb(99, 104,  
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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