

Converting Colors

XYZ(13.7295, 16.7840, 14.0520)

Have a look what the booklet for
XYZ(13.7295, 16.7840, 14.0520)
contains.

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Color

**XYZ(13.7449, 16.8016,
14.0739)**

Conversions

Conversions Part 1

Format	Color
Hex	607862
RGB	96, 120, 98
RGB Percent	38%, 47%, 38%
CMY	0.6235, 0.5294, 0.6157
CMYK	0.20, 0.00, 0.18, 0.53
HSL	125°, 11%, 42%
HSV	125°, 20%, 47%
XYZ	13.7449, 16.8016, 14.0739
YIQ	110.3160, -7.2420, -11.9300

Conversions

Conversions Part 2

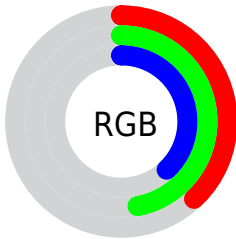
Format	Color
R_{YB}	96, 118, 120
Decimal	6322274
CIE _{Lab}	48.01, -13.46, 9.24
CIE _{LCh}	48, 16.322, 145.530
Yxy	16.8016, 0.3080, 0.3765
Android (android.graphics.Color)	4284512354 (0xFF607862)
YUV	110.3160, -6.0718, -12.5551
Hunter-Lab	40.9898, -11.8765, 8.3355

Details

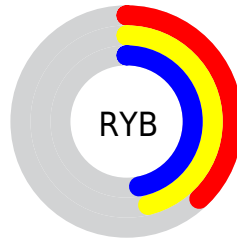
The XYZ color **13.7449, 16.8016, 14.0739** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.1991, 13.6671, 18.9770**, and the grayscale version is **14.9306, 15.7081, 17.1061**.

A 20% lighter version of the original color is **32.2100, 37.8780, 34.0473**, and **4.1397, 5.4074, 4.0744** is the 20% darker color. If you saturate the color by 10%, you get **12.0933, 16.0066, 11.4693**, and if you desaturate by 10%, it is **15.6616, 17.7260, 17.0643**.

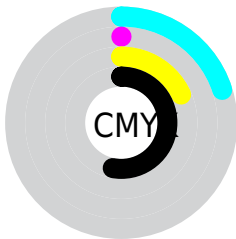
Distribution



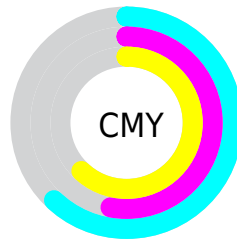
- Red (38%)
- Green (47%)
- Blue (38%)



- Red (38%)
- Yellow (46%)
- Blue (47%)



- Cyan (20%)
- Magenta (0%)
- Yellow (18%)
- Black (53%)



- Cyan (62%)
- Magenta (53%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7449, 16.8016, 14.0739 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 13.7449, 16.8016, 14.0739 by changing the saturation by 10% instead.

■ 13.7449, 16.8016,
14.0739

■ 13.7449, 16.8016,
14.0739

209.1805,
234.0265, 229.1345

■ 8.0240, 10.0931,
8.0327

■ 32.2258, 37.9843,
33.9391

■ 4.1622, 5.4608,
4.0278

■ 45.7164, 53.2274,
48.6002

■ 1.7943, 2.5201,
1.6406

■ 62.5277, 72.0841,
66.9718

■ 0.5142, 0.8866,
0.3196

■ 83.0249, 94.9389,
89.4723

■ 0.0000, 0.0000,
0.0000

107.5734,
122.1761, 116.5202

136.5386,

154.1802, 148.5342

170.2859,
191.3355, 185.9328

■ 13.7449, 16.8016,
14.0739

■ 13.7449, 16.8016,
14.0739

■ 12.0933, 16.0066,
11.4693

■ 15.6616, 17.7260,
17.0643

■ 10.6938, 15.3332,
9.2337

■ 17.8528, 18.7828,
20.4540

■ 9.5344, 14.7760,
7.3508

■ 20.3295, 19.9780,
24.2576

■ 8.6016, 14.3284,
5.8026

■ 23.1011, 21.3161,
28.4882

■ 7.8804, 13.9831,
4.5694

■ 26.1772, 22.8016,
33.1585

■ 7.3542, 13.7321,
3.6296

■ 29.5665, 24.4390,
38.2808

■ 7.0038, 13.5660,
2.9589

■ 33.2775, 26.2323,
43.8668

■ 6.7716, 13.4556,
2.5276

■ 37.3185, 28.1856,
49.9276

■ 41.6974, 30.3026,
56.4742

Harmonies

Analogous

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



14.7788, 16.8016, 11.9036



13.7449, 16.8016, 14.0739



13.3072, 16.8016, 17.6688

Triad

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



13.7449, 16.8016, 14.0739



15.7496, 16.8016, 27.6383



18.6659, 16.8016, 15.0140

Complementary

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



13.7449, 16.8016, 14.0739



15.1991, 13.6671, 18.9770

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.



18.9650, 16.8016, 18.9340



13.7449, 16.8016, 14.0739



17.2224, 16.8016, 26.6396

Square

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



13.7449, 16.8016, 14.0739



14.4184, 16.8016, 25.8351



18.4219, 16.8016, 23.2834



17.6278, 16.8016, 12.3850

Rectangle

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



13.7449, 16.8016, 14.0739



13.3913, 16.8016, 20.5546



18.4219, 16.8016, 23.2834



18.8588, 16.8016, 16.2057

Sweetspot

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



13.7454, 16.8023, 14.0743



28.9718, 31.8635, 32.2250



16.2997, 18.1299, 13.7067



6.8218, 7.5300, 7.5685



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.7454, 16.8023, 14.0743



22.7854, 28.8816, 22.5694



14.3553, 17.0463, 17.2860



3.9632, 4.4549, 4.3400



7.3844, 14.6774, 2.7430



35.0877, 69.9581, 12.3657

Inverse Universe

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



15.1991, 13.6671, 18.9770



25.8309, 22.3127, 32.8394



14.5306, 13.3996, 15.4565



4.1408, 4.0720, 4.9389



11.5178, 5.5833, 16.5496



54.7888, 26.5719, 78.1410

Previews

White Background



This preview shows how the XYZ color 13.7449, 16.8016, 14.0739 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 13.7449, 16.8016, 14.0739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

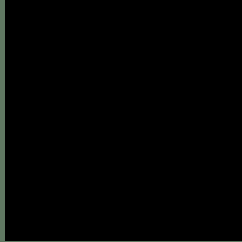
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7449, 16.8016, 14.0739

Background



This preview shows how black text looks on a background with the XYZ color 13.7449, 16.8016, 14.0739.



This preview shows how white text looks on a background with the XYZ color 13.7449, 16.8016,

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

13.7449, 16.8016, 14.0739

Protanopia

15.7164, 16.6295, 13.2080

Deuteranopia

16.9748, 16.6032, 14.3667



Tritanopia

15.3139, 16.7382, 21.8257

Trichromacy



Original Color

13.7449, 16.8016, 14.0739

Protanomaly

14.9123, 16.7148, 13.5067

Deuteranomaly

15.6285, 16.5627, 14.1776

Tritanomaly

14.6014, 16.6130, 18.6567

Monochromacy



Original Color

13.7449, 16.8016, 14.0739

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.4445, 16.0785, 15.9778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7449, 16.8016, 14.0739 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(96, 120, 98) looks like.

```
.text, #text, p{  
    color:rgb(96, 120, 98)  
}
```

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(96, 120, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 120, 98) }
```

Border

The CSS property to change the border of an element to XYZ 13.7449, 16.8016, 14.0739 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(96, 120, 98) }
```


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

```
.border{ border-color:rgb(96, 120, 98) }
```

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

Here you see how a box with a 4 pixel rgb(96, 120, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 120, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 120, 98);  
box-shadow:4px 4px 4px 4px rgb(96, 120,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7449, 16.8016, 14.0739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 120, 98) }
```

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

```
.background{ background-color: rgb(96, 120,  
98) }
```

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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