

Converting Colors

XYZ(13.1909, 16.0603, 15.6961)

Have a look what the booklet for
XYZ(13.1909, 16.0603, 15.6961)
contains.

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Color

**XYZ(13.2447, 16.1504,
15.7839)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7669
RGB	90, 118, 105
RGB Percent	35%, 46%, 41%
CMY	0.6471, 0.5372, 0.5882
CMYK	0.24, 0.00, 0.11, 0.54
HSL	152°, 13%, 41%
HSV	152°, 24%, 46%
XYZ	13.2447, 16.1504, 15.7839
YIQ	108.1460, -12.5150, -9.9790

Conversions

Conversions Part 2

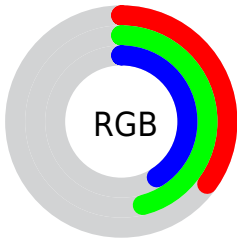
Format	Color
R_{YB}	90, 108, 118
Decimal	5928553
CIE _{Lab}	47.17, -13.07, 3.85
CIE _{LCh}	47, 13.624, 163.571
Yxy	16.1504, 0.2932, 0.3575
Android (android.graphics.Color)	4284118633 (0xFF5A7669)
YUV	108.1460, -1.5510, -15.9140
Hunter-Lab	40.1876, -11.4996, 4.8448

Details

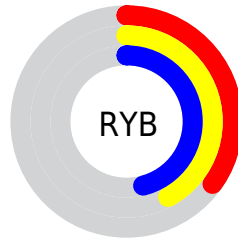
The XYZ color **13.2447, 16.1504, 15.7839** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.5761, 12.1436, 14.4611**, and the grayscale version is **14.3019, 15.0467, 16.3859**.

A 20% lighter version of the original color is **31.3600, 36.8125, 36.9052**, and **3.9501, 5.1994, 4.7984** is the 20% darker color. If you saturate the color by 10%, you get **11.9143, 15.4965, 14.2988**, and if you desaturate by 10%, it is **14.7764, 16.9069, 17.3738**.

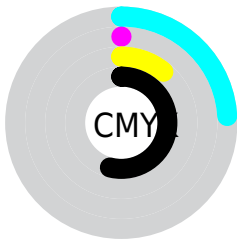
Distribution



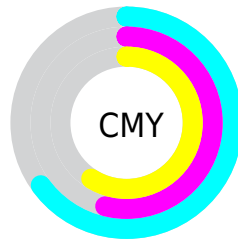
- Red (35%)
- Green (46%)
- Blue (41%)



- Red (35%)
- Yellow (42%)
- Blue (46%)



- Cyan (24%)
- Magenta (0%)
- Yellow (11%)
- Black (54%)



- Cyan (65%)
- Magenta (54%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2447, 16.1504, 15.7839 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 13.2447, 16.1504, 15.7839 by changing the saturation by 10% instead.

■ 13.2447, 16.1504,
15.7839

■ 13.2447, 16.1504,
15.7839

206.0861,
230.2276, 239.8652

■ 7.6754, 9.6306,
9.2187

■ 31.3403, 36.8591,
36.9842

■ 3.9380, 5.1548,
4.7853

■ 44.5973, 51.8169,
52.4563

■ 1.6671, 2.3383,
2.0653

■ 61.1476, 70.3560,
71.7345

■ 0.4356, 0.7939,
0.5950

■ 81.3566, 92.8611,
95.2373

■ 0.0000, 0.0000,
0.0000

105.5896,
119.7164, 123.3832

134.2119,

151.3063, 156.5908

167.5890,
188.0152, 195.2786

■ 13.2447, 16.1504,
15.7839

■ 13.2447, 16.1504,
15.7839

■ 11.9143, 15.4965,
14.2988

■ 14.7764, 16.9069,
17.3738

■ 10.7749, 14.9385,
12.9153

■ 16.5165, 17.7682,
19.0696

■ 9.8174, 14.4724,
11.6315

■ 18.4731, 18.7390,
20.8737

■ 9.0312, 14.0925,
10.4450

■ 20.6538, 19.8230,
22.7880

■ 8.4048, 13.7931,
9.3532

■ 23.0656, 21.0240,
24.8146

■ 7.9250, 13.5674,
8.3537

■ 25.7154, 22.3454,
26.9552

■ 7.5739, 13.4062,
7.4434

■ 28.6094, 23.7904,
29.2116

■ 7.3818, 13.3187,
6.9154

■ 31.7541, 25.3622,
31.5858

■ 35.1554, 27.0640,
34.0794

Harmonies

Analogous

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



13.8164, 16.1504, 13.2241



13.2447, 16.1504, 15.7839



13.2178, 16.1504, 19.1794

Triad

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



13.2447, 16.1504, 15.7839



15.8975, 16.1504, 24.8116



17.0812, 16.1504, 13.4175

Complementary

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



13.2447, 16.1504, 15.7839



13.5761, 12.1436, 14.4611

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.



17.7011, 16.1504, 16.0815



13.2447, 16.1504, 15.7839



16.9941, 16.1504, 22.8126

Square

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



13.2447, 16.1504, 15.7839



14.7080, 16.1504, 24.7046



17.6684, 16.1504, 19.5182



16.0114, 16.1504, 11.9844

Rectangle

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



13.2447, 16.1504, 15.7839



13.5095, 16.1504, 21.4924



17.6684, 16.1504, 19.5182



17.3515, 16.1504, 14.1825

Sweetspot

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



13.2451, 16.1511, 15.7843



27.9438, 30.6979, 32.4807



13.9256, 16.5832, 12.1401



6.3969, 7.0441, 7.4409



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.2451, 16.1511, 15.7843



22.0827, 27.8042, 26.4326



13.8561, 16.2204, 19.5408



3.7150, 4.1279, 4.3330



7.9794, 14.4058, 7.4477



38.4484, 70.0266, 33.9959

Inverse Universe

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



13.5761, 12.1436, 14.4611



22.7628, 19.5718, 23.7152



13.0526, 12.0610, 11.3132



3.7481, 3.7265, 4.2004



8.8171, 4.4606, 4.2452



42.5428, 21.5672, 18.4535

Previews

White Background



This preview shows how the XYZ color 13.2447, 16.1504, 15.7839 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 13.2447, 16.1504, 15.7839 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

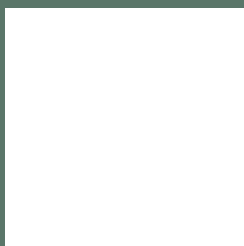
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.2447, 16.1504, 15.7839

Background



This preview shows how black text looks on a background with the XYZ color 13.2447, 16.1504, 15.7839.

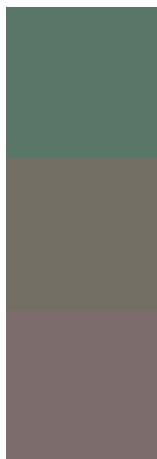


This preview shows how white text looks on a background with the XYZ color 13.2447, 16.1504,

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

13.2447, 16.1504, 15.7839

Protanopia

15.2359, 16.0215, 14.6014

Deuteranopia

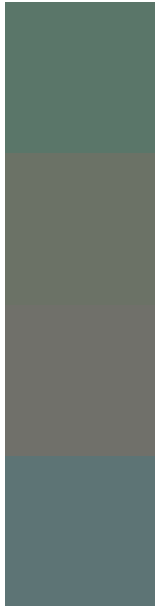
16.3286, 16.0717, 16.1515



Tritanopia

14.3849, 16.0964, 21.4175

Trichromacy



Original Color

13.2447, 16.1504, 15.7839

Protanomaly

14.4790, 16.1197, 14.9187

Deuteranomaly

15.0778, 16.0737, 15.9435

Tritanomaly

13.9705, 16.1023, 19.2014

Monochromacy



Original Color

13.2447, 16.1504, 15.7839

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.8148, 15.4166, 16.1575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2447, 16.1504, 15.7839 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(90, 118, 105) looks like.

```
.text, #text, p{  
    color:rgb(90, 118, 105)  
}
```

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(90, 118, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 118, 105) }
```

Border

The CSS property to change the border of an element to XYZ 13.2447, 16.1504, 15.7839 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(90, 118, 105) }
```


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

```
.border{ border-color:rgb(90, 118, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 118, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 118, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 118, 105);  
box-shadow:4px 4px 4px 4px rgb(90, 118,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2447, 16.1504, 15.7839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 118, 105) }
```

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

```
.background{ background-color: rgb(90, 118,  
105) }
```

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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