

Converting Colors

XYZ(13.5479, 16.0195, 15.0310)

Have a look what the booklet for
XYZ(13.5479, 16.0195, 15.0310)
contains.

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Color

**XYZ(13.4675, 15.9369,
14.9367)**

Conversions

Conversions Part 1

Format	Color
Hex	607466
RGB	96, 116, 102
RGB Percent	38%, 45%, 40%
CMY	0.6235, 0.5451, 0.6000
CMYK	0.17, 0.00, 0.12, 0.55
HSL	138°, 9%, 42%
HSV	138°, 17%, 45%
XYZ	13.4675, 15.9369, 14.9367
YIQ	108.4240, -7.4260, -8.5940

Conversions

Conversions Part 2

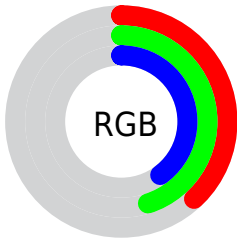
Format	Color
R_{YB}	96, 111, 116
Decimal	6321254
CIE Lab	46.89, -10.42, 5.29
CIE LCh	47, 11.682, 153.097
Yxy	15.9369, 0.3037, 0.3594
Android (android.graphics.Color)	4284511334 (0xFF607466)
YUV	108.4240, -3.1670, -10.8958
Hunter-Lab	39.9210, -9.6443, 5.7610

Details

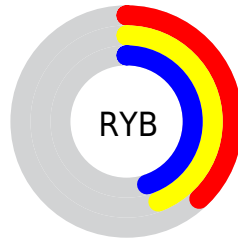
The XYZ color **13.4675, 15.9369, 14.9367** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.2003, 13.2048, 16.5528**, and the grayscale version is **14.3835, 15.1326, 16.4794**.

A 20% lighter version of the original color is **31.7850, 36.5082, 35.5085**, and **4.0233, 5.0630, 4.3796** is the 20% darker color. If you saturate the color by 10%, you get **11.9528, 15.2008, 12.8657**, and if you desaturate by 10%, it is **15.2027, 16.7830, 17.2247**.

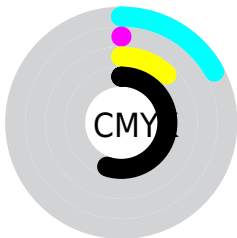
Distribution



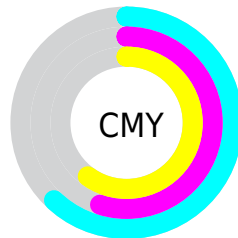
- Red (38%)
- Green (45%)
- Blue (40%)



- Red (38%)
- Yellow (44%)
- Blue (45%)



- Cyan (17%)
- Magenta (0%)
- Yellow (12%)
- Black (55%)



- Cyan (62%)
- Magenta (55%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4675, 15.9369, 14.9367 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 13.4675, 15.9369, 14.9367 by changing the saturation by 10% instead.

■ 13.4675, 15.9369,
14.9367

■ 13.4675, 15.9369,
14.9367

207.4701,
228.9691, 234.6103

■ 7.8305, 9.4795,
8.6288

■ 31.7354, 36.4886,
35.4828

■ 4.0375, 5.0552,
4.4064

■ 45.0969, 51.3518,
50.5582

■ 1.7234, 2.2797,
1.8508

■ 61.7640, 69.7856,
69.3931

■ 0.4708, 0.7629,
0.4612

■ 82.1020, 92.1745,
92.4061

■ 0.0000, 0.0000,
0.0000

106.4762,
118.9029, 120.0159

135.2521,

150.3552, 152.6408

168.7949,
186.9158, 190.6994

■ 13.4675, 15.9369,
14.9367

■ 13.4675, 15.9369,
14.9367

■ 11.9528, 15.2008,
12.8657

■ 15.2027, 16.7830,
17.2247

■ 10.6483, 14.5681,
11.0043

■ 17.1654, 17.7414,
19.7346

■ 9.5448, 14.0348,
9.3462

■ 19.3643, 18.8166,
22.4726

■ 8.6318, 13.5956,
7.8845

■ 21.8068, 20.0125,
25.4443

■ 7.8981, 13.2447,
6.6118

■ 24.5003, 21.3328,
28.6552

■ 7.3310, 12.9760,
5.5202

■ 27.4517, 22.7808,
32.1104

■ 6.9162, 12.7820,
4.6014

■ 30.6676, 24.3601,
35.8149

■ 6.6203, 12.6459,
3.8455

■ 34.1546, 26.0737,
39.7738

■ 6.5461, 12.6116,
3.6639

■ 37.9189, 27.9247,
43.9917

Harmonies

Analogous

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



14.1032, 15.9369, 13.0656



13.4675, 15.9369, 14.9367



13.2751, 15.9369, 17.6574

Triad

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



13.4675, 15.9369, 14.9367



15.2536, 15.9369, 23.5766



16.8480, 15.9369, 14.4668

Complementary

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



13.4675, 15.9369, 14.9367



14.2003, 13.2048, 16.5528

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.



17.1882, 15.9369, 17.0513



13.4675, 15.9369, 14.9367



16.2422, 15.9369, 22.4876

Square

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



13.4675, 15.9369, 14.9367



14.2787, 15.9369, 22.8497



16.9618, 15.9369, 20.0158



16.0510, 15.9369, 12.8164

Rectangle

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



13.4675, 15.9369, 14.9367



13.4168, 15.9369, 19.6469



16.9618, 15.9369, 20.0158



17.0211, 15.9369, 15.2442

Sweetspot

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



13.4679, 15.9376, 14.9371



27.4185, 29.8398, 31.1771



14.8293, 16.6725, 13.5029



6.4969, 7.0972, 7.3808



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.



13.4679, 15.9376, 14.9371



22.4845, 27.4356, 24.6480



13.9758, 16.1407, 17.6116



3.6817, 4.1146, 4.1576



7.3383, 14.1493, 4.0716



35.4235, 68.8167, 18.0670

Inverse Universe

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



14.2003, 13.2048, 16.5528



24.0459, 21.6083, 28.0917



13.7022, 13.0056, 13.9297



3.7821, 3.7401, 4.3792



9.7497, 4.8336, 9.1558



47.1196, 23.3979, 42.5545

Previews

White Background



This preview shows how the XYZ color 13.4675, 15.9369, 14.9367 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 13.4675, 15.9369, 14.9367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

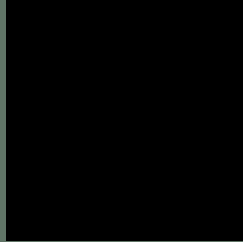
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4675, 15.9369, 14.9367

Background



This preview shows how black text looks on a background with the XYZ color 13.4675, 15.9369, 14.9367.

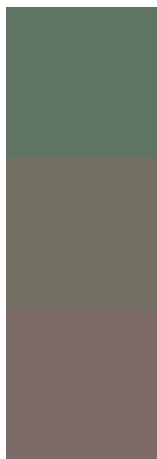


This preview shows how white text looks on a background with the XYZ color 13.4675, 15.9369,

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

13.4675, 15.9369, 14.9367

Protanopia

15.1390, 15.9827, 14.0914

Deuteranopia

16.0686, 15.8000, 15.2995



Tritanopia

14.6735, 15.9247, 20.7128

Trichromacy



Original Color

13.4675, 15.9369, 14.9367

Protanomaly

14.5121, 15.9816, 14.3765

Deuteranomaly

14.9635, 15.7085, 15.0754

Tritanomaly

14.2574, 15.9251, 18.5421

Monochromacy



Original Color

13.4675, 15.9369, 14.9367

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.9949, 15.3525, 15.8614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4675, 15.9369, 14.9367 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, 116, 102) looks like.

```
.text, #text, p{  
    color:rgb(96, 116, 102)  
}
```

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, 116, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 116, 102) }
```

Border

The CSS property to change the border of an element to XYZ 13.4675, 15.9369, 14.9367 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, 116, 102) }
```


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

```
.border{ border-color:rgb(96, 116, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 116, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 116, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 116, 102);  
box-shadow:4px 4px 4px 4px rgb(96, 116,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4675, 15.9369, 14.9367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 116, 102) }
```

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

```
.background{ background-color: rgb(96, 116,  
102) }
```

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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