

Converting Colors

XYZ(13.4131, 13.9319, 17.0211)

Have a look what the booklet for
XYZ(13.4131, 13.9319, 17.0211)
contains.

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Color

**XYZ(13.4131, 13.9319,
17.0211)**

Conversions

Conversions Part 1

Format	Color
Hex	67686F
RGB	103, 104, 111
RGB Percent	40%, 41%, 44%
CMY	0.5961, 0.5921, 0.5647
CMYK	0.07, 0.06, 0.00, 0.56
HSL	232°, 4%, 42%
HSV	232°, 7%, 44%
XYZ	13.4131, 13.9319, 17.0211
YIQ	104.4990, -2.8430, 1.9650

Conversions

Conversions Part 2

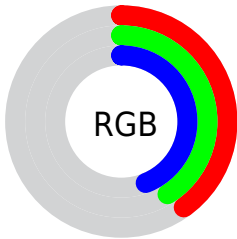
Format	Color
R_{YB}	103, 104, 111
Decimal	6776943
CIE Lab	44.14, 1.11, -4.06
CIE LCh	44, 4.207, 285.333
Yxy	13.9319, 0.3023, 0.3140
Android (android.graphics.Color)	4284967023 (0xFF67686F)
YUV	104.4990, 3.2050, -1.3146
Hunter-Lab	37.3255, -1.1746, -0.9095

Details

The XYZ color **13.4131, 13.9319, 17.0211** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.5797, 15.5106, 15.0577**, and the grayscale version is **13.2846, 13.9764, 15.2203**.

A 20% lighter version of the original color is **31.6586, 32.9571, 39.3431**, and **3.9912, 4.1259, 5.2886** is the 20% darker color. If you saturate the color by 10%, you get **11.3018, 11.4754, 16.6584**, and if you desaturate by 10%, it is **15.8069, 16.7019, 17.4298**.

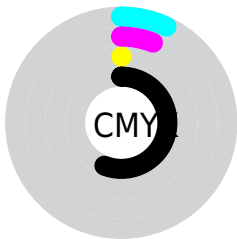
Distribution



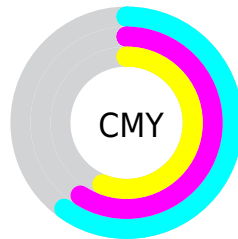
- Red (40%)
- Green (41%)
- Blue (44%)



- Red (40%)
- Yellow (41%)
- Blue (44%)



- Cyan (7%)
- Magenta (6%)
- Yellow (0%)
- Black (56%)



- Cyan (60%)
- Magenta (59%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4131, 13.9319, 17.0211 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 13.4131, 13.9319, 17.0211 by changing the saturation by 10% instead.

■ 13.4131, 13.9319,
17.0211

■ 13.4131, 13.9319,
17.0211

207.1330,
216.8068, 247.3420

■ 7.7926, 8.0733,
10.0874

■ 31.6390, 32.9681,
39.1532

■ 4.0132, 4.1419,
5.3506

■ 44.9751, 46.9146,
55.1887

■ 1.7096, 1.7533,
2.3921

■ 61.6138, 64.3258,
75.0952

■ 0.4623, 0.4578,
0.7821

■ 81.9203, 85.5861,
99.2913

■ 0.0000, 0.0000,
0.0000

106.2602,
111.0800, 128.1955

134.9987,

141.1918, 162.2263

168.5012,
176.3059, 201.8023

■ 13.4131, 13.9319,
17.0211

■ 13.4131, 13.9319,
17.0211

■ 11.3018, 11.4754,
16.6584

■ 15.8069, 16.7019,
17.4298

■ 9.4612, 9.3196,
16.3393

■ 18.4918, 19.7941,
17.8852

■ 7.8809, 7.4534,
16.0624

■ 21.4776, 23.2191,
18.3889

■ 6.5489, 5.8644,
15.8259

■ 24.7732, 26.9863,
18.9423

■ 5.4524, 4.5393,
15.6279

■ 28.3873, 31.1049,
19.5468

■ 4.5777, 3.4637,
15.4664

■ 32.3281, 35.5838,
20.2036

■ 3.9094, 2.6217,
15.3391

■ 36.6035, 40.4315,
20.9140

■ 3.4300, 1.9956,
15.2436

■ 41.2212, 45.6561,
21.6791

■ 3.1025, 1.5566,
15.1761

■ 46.1888, 51.2657,
22.5000

Harmonies

Analogous

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



13.0793, 13.9319, 17.0271



13.4131, 13.9319, 17.0211



13.7058, 13.9319, 16.5051

Triad

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



13.4131, 13.9319, 17.0211



13.7004, 13.9319, 13.8936



12.6278, 13.9319, 14.7067

Complementary

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



13.4131, 13.9319, 17.0211



14.5797, 15.5106, 15.0577

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.



12.7885, 13.9319, 13.9079



13.4131, 13.9319, 17.0211



13.4058, 13.9319, 13.4521

Square

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



13.4131, 13.9319, 17.0211



13.8735, 13.9319, 14.6864



13.0721, 13.9319, 13.4572



12.6297, 13.9319, 15.6631

Rectangle

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



13.4131, 13.9319, 17.0211



13.8365, 13.9319, 15.9533



13.0721, 13.9319, 13.4572



12.6645, 13.9319, 14.4117

Sweetspot

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



13.4135, 13.9325, 17.0214



26.1629, 27.4322, 30.8458



14.0891, 15.3770, 16.9585



6.3021, 6.6097, 7.4134



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



13.4135, 13.9325, 17.0214



23.2078, 24.0066, 30.3403



13.6557, 13.9086, 17.0040



3.2482, 3.3616, 4.2319



3.5519, 1.6942, 17.8614



17.3316, 7.7151, 88.8548

Inverse Universe

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



13.9048, 14.0798, 15.0822



24.3231, 24.3456, 25.9371



14.3253, 15.5407, 15.0769



3.3999, 3.4077, 3.6328



7.8112, 4.0169, 0.8157



38.7282, 19.9366, 3.1008

Previews

White Background



This preview shows how the XYZ color 13.4131, 13.9319, 17.0211 looks on a white background.

Color Contrast Check

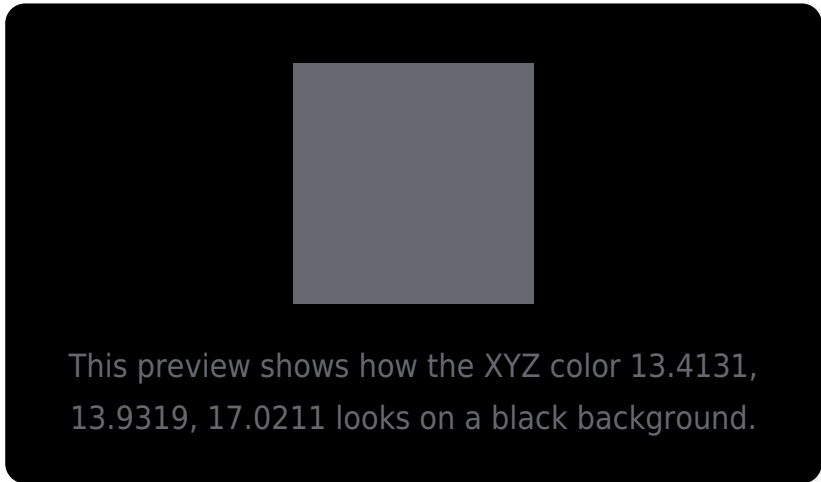
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

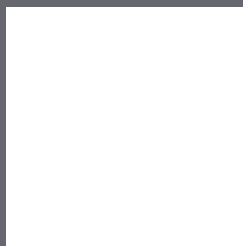
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.4131, 13.9319, 17.0211

Background



This preview shows how black text looks on a background with the XYZ color 13.4131, 13.9319, 17.0211.



This preview shows how white text looks on a background with the XYZ color 13.4131, 13.9319,

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

13.4131, 13.9319, 17.0211

Protanopia

13.5285, 13.9914, 17.0265

Deuteranopia

14.1339, 13.8567, 17.2589



Tritanopia

13.4685, 13.9540, 17.3128

Trichromacy

**Original Color**

13.4131, 13.9319, 17.0211

Protanomaly

13.5285, 13.9914, 17.0265

Deuteranomaly

13.8603, 13.8607, 17.2741

Tritanomaly

13.4685, 13.9540, 17.3128

Monochromacy

**Original Color**

13.4131, 13.9319, 17.0211

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.4143, 14.1077, 15.9260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4131, 13.9319, 17.0211 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(103, 104, 111)` looks like.

```
.text, #text, p{  
    color:rgb(103, 104, 111)  
}
```

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(103, 104, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 104, 111) }
```

Border

The CSS property to change the border of an element to XYZ 13.4131, 13.9319, 17.0211 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(103, 104, 111) }
```


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

```
.border{ border-color:rgb(103, 104, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 104, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 104, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 104, 111);  
box-shadow:4px 4px 4px 4px rgb(103, 104,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4131, 13.9319, 17.0211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 104, 111) }
```

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

```
.background{ background-color: rgb(103,  
104, 111) }
```

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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