

Converting Colors

XYZ(13.3276, 13.8012, 17.5843)

Have a look what the booklet for
XYZ(13.3276, 13.8012, 17.5843)
contains.

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Color

**XYZ(13.4104, 13.9177,
17.6024)**

Conversions

Conversions Part 1

Format	Color
Hex	666871
RGB	102, 104, 113
RGB Percent	40%, 41%, 44%
CMY	0.6000, 0.5921, 0.5569
CMYK	0.10, 0.08, 0.00, 0.56
HSL	229°, 5%, 42%
HSV	229°, 10%, 44%
XYZ	13.4104, 13.9177, 17.6024
YIQ	104.4280, -4.0810, 2.3750

Conversions

Conversions Part 2

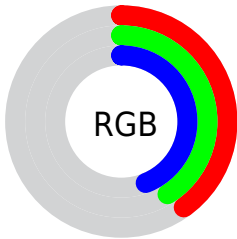
Format	Color
R _Y B	102, 104, 113
Decimal	6711409
CIE Lab	44.11, 1.18, -5.31
CIE LCh	44, 5.436, 282.572
Yxy	13.9177, 0.2985, 0.3098
Android (android.graphics.Color)	4284901489 (0xFF666871)
YUV	104.4280, 4.2260, -2.1294
Hunter-Lab	37.3064, -1.1216, -1.8605

Details

The XYZ color **13.4104, 13.9177, 17.6024** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.8927, 15.8386, 14.8427**, and the grayscale version is **13.2630, 13.9537, 15.1956**.

A 20% lighter version of the original color is **31.6497, 32.9316, 40.2856**, and **3.9928, 4.1201, 5.5858** is the 20% darker color. If you saturate the color by 10%, you get **11.3362, 11.5425, 17.2535**, and if you desaturate by 10%, it is **15.7620, 16.5881, 17.9941**.

Distribution



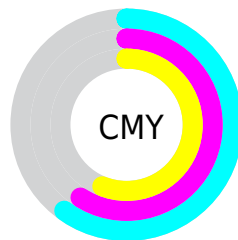
- Red (40%)
- Green (41%)
- Blue (44%)



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



- Cyan (10%)
- Magenta (8%)
- Yellow (0%)
- Black (56%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4104, 13.9177, 17.6024 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 13.4104, 13.9177, 17.6024 by changing the saturation by 10% instead.

■ 13.4104, 13.9177,
17.6024

■ 13.4104, 13.9177,
17.6024

207.1163,
216.7182, 250.7807

■ 7.7907, 8.0634,
10.4984

■ 31.6342, 32.9429,
40.1634

■ 4.0120, 4.1356,
5.6208

■ 44.9690, 46.8827,
56.4575

■ 1.7089, 1.7497,
2.5509

■ 61.6063, 64.2864,
76.6521

■ 0.4618, 0.4555,
0.8669

■ 81.9113, 85.5385,
101.1656

■ 0.0000, 0.0000,
0.0000

106.2495,
111.0233, 130.4167

134.9861,

141.1253, 164.8239

168.4866,
176.2288, 204.8057

■ 13.4104, 13.9177,
17.6024

■ 13.4104, 13.9177,
17.6024

■ 11.3362, 11.5425,
17.2535

■ 15.7620, 16.5881,
17.9941

■ 9.5279, 9.4505,
16.9450

■ 18.3996, 19.5616,
18.4290

■ 7.9749, 7.6316,
16.6758

■ 21.3328, 22.8480,
18.9088

■ 6.6657, 6.0743,
16.4442

■ 24.5704, 26.4561,
19.4346

■ 5.5874, 4.7664,
16.2486

■ 28.1210, 30.3944,
20.0076

■ 4.7264, 3.6946,
16.0871

■ 31.9926, 34.6710,
20.6290

■ 4.0672, 2.8443,
15.9577

■ 36.1932, 39.2938,
21.2999

■ 3.5926, 2.1992,
15.8582

■ 40.7302, 44.2704,
22.0214

■ 3.2492, 1.7238,
15.7845

■ 45.6111, 49.6083,
22.7944

Harmonies

Analogous

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



12.9806, 13.9177, 17.5447



13.4104, 13.9177, 17.6024



13.7996, 13.9177, 16.9786

Triad

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



13.4104, 13.9177, 17.6024



13.8510, 13.9177, 13.5975



12.4498, 13.9177, 14.4510

Complementary

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



13.4104, 13.9177, 17.6024



14.8927, 15.8386, 14.8427

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.



12.6731, 13.9177, 13.4650



13.4104, 13.9177, 17.6024



13.4793, 13.9177, 12.9910

Square

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



13.4104, 13.9177, 17.6024



14.0577, 13.9177, 14.6409



13.0480, 13.9177, 12.9439



12.4323, 13.9177, 15.6789

Rectangle

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



13.4104, 13.9177, 17.6024



13.9812, 13.9177, 16.2791



13.0480, 13.9177, 12.9439



12.5031, 13.9177, 14.0820

Sweetspot

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



13.4108, 13.9183, 17.6027



26.7597, 28.0446, 31.9783



14.2531, 15.7826, 17.3295



6.1194, 6.4073, 7.3839



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.



13.4108, 13.9183, 17.6027



23.0067, 23.7730, 31.3515



13.6148, 13.7277, 17.5552



3.2622, 3.3897, 4.2366



3.6645, 1.9193, 17.8989



17.7821, 8.6161, 89.0050

Inverse Universe

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



14.0604, 14.0131, 15.0612



24.4577, 23.9964, 25.6720



14.6740, 16.0539, 14.8957



3.4070, 3.4105, 3.6701



7.8680, 4.0396, 1.1150



38.9556, 20.0275, 4.2982

Previews

White Background



This preview shows how the XYZ color 13.4104, 13.9177, 17.6024 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 13.4104, 13.9177, 17.6024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

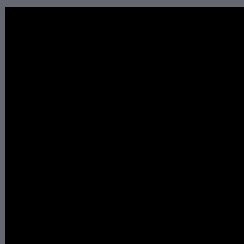
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

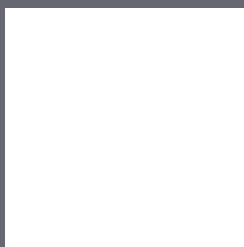
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.4104, 13.9177, 17.6024

Background



This preview shows how black text looks on a background with the XYZ color 13.4104, 13.9177, 17.6024.



This preview shows how white text looks on a background with the XYZ color 13.4104, 13.9177,

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

13.4104, 13.9177, 17.6024

Protanopia

13.6399, 14.0359, 17.6131

Deuteranopia

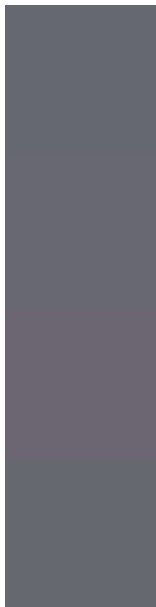
14.1214, 13.8373, 17.8462



Tritanopia

13.3544, 13.8953, 17.3074

Trichromacy



Original Color

13.4104, 13.9177, 17.6024

Protanomaly

13.5245, 13.9764, 17.6077

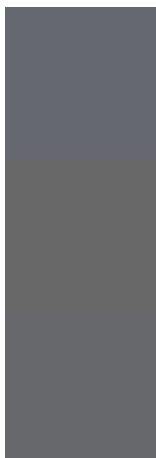
Deuteranomaly

13.8520, 13.8434, 17.8616

Tritanomaly

13.3544, 13.8953, 17.3074

Monochromacy



Original Color

13.4104, 13.9177, 17.6024

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.1977, 13.8457, 15.8868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4104, 13.9177, 17.6024 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(102, 104, 113)` looks like.

```
.text, #text, p{  
    color:rgb(102, 104, 113)  
}
```

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(102, 104, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 104, 113) }
```

Border

The CSS property to change the border of an element to XYZ 13.4104, 13.9177, 17.6024 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(102, 104, 113) }
```


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

```
.border{ border-color:rgb(102, 104, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 104, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 104, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 104, 113);  
box-shadow:4px 4px 4px 4px rgb(102, 104,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4104, 13.9177, 17.6024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 104, 113) }
```

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

```
.background{ background-color: rgb(102,  
104, 113) }
```

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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