

Converting Colors

XYZ(13.3797, 13.7304, 18.3017)

Have a look what the booklet for
XYZ(13.3797, 13.7304, 18.3017)
contains.

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Color

**XYZ(13.3116, 13.7050,
18.1634)**

Conversions

Conversions Part 1

Format	Color
Hex	656773
RGB	101, 103, 115
RGB Percent	40%, 40%, 45%
CMY	0.6039, 0.5961, 0.5490
CMYK	0.12, 0.10, 0.00, 0.55
HSL	231°, 6%, 42%
HSV	231°, 12%, 45%
XYZ	13.3116, 13.7050, 18.1634
YIQ	103.7700, -5.0440, 3.3080

Conversions

Conversions Part 2

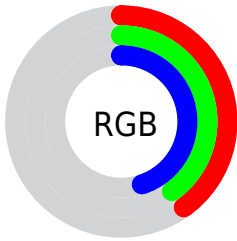
Format	Color
R_{YB}	101, 103, 115
Decimal	6645619
CIE _{Lab}	43.81, 1.87, -6.98
CIE _{LCh}	44, 7.228, 284.988
Yxy	13.7050, 0.2946, 0.3033
Android (android.graphics.Color)	4284835699 (0xFF656773)
YUV	103.7700, 5.5364, -2.4293
Hunter-Lab	37.0203, -0.6011, -3.1755

Details

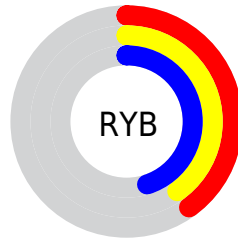
The XYZ color **13.3116, 13.7050, 18.1634** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.3244, 16.3946, 14.6690**, and the grayscale version is **13.0836, 13.7650, 14.9901**.

A 20% lighter version of the original color is **31.4795, 32.5766, 41.1880**, and **3.9486, 4.0179, 5.8776** is the 20% darker color. If you saturate the color by 10%, you get **11.1898, 11.2410, 17.7998**, and if you desaturate by 10%, it is **15.7300, 16.4943, 18.5745**.

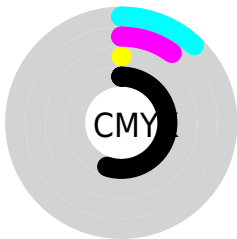
Distribution



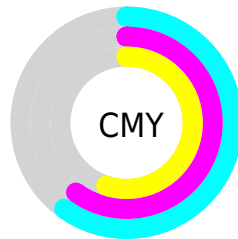
- Red (40%)
- Green (40%)
- Blue (45%)



- Red (40%)
- Yellow (40%)
- Blue (45%)



- Cyan (12%)
- Magenta (10%)
- Yellow (0%)
- Black (55%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3116, 13.7050, 18.1634 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 13.3116, 13.7050, 18.1634 by changing the saturation by 10% instead.

■ 13.3116, 13.7050,
18.1634

■ 13.3116, 13.7050,
18.1634

206.5026,
215.3878, 254.0574

■ 7.7219, 7.9158,
10.8967

■ 31.4590, 32.5647,
41.1333

■ 3.9678, 4.0411,
5.8841

■ 44.7475, 46.4039,
57.6735

■ 1.6840, 1.6966,
2.7071

■ 61.3330, 63.6953,
78.1420

■ 0.4462, 0.4214,
0.9470

■ 81.5808, 84.8232,
102.9573

■ 0.0000, 0.0000,
0.0000

105.8563,
110.1720, 132.5380

134.5249,

140.1261, 167.3025

167.9519,
175.0699, 207.6695

■ 13.3116, 13.7050,
18.1634

■ 13.3116, 13.7050,
18.1634

■ 11.1898, 11.2410,
17.7998

■ 15.7300, 16.4943,
18.5745

■ 9.3520, 9.0886,
17.4812

■ 18.4545, 19.6182,
19.0339

■ 7.7864, 7.2359,
17.2062

■ 21.4960, 23.0882,
19.5434

■ 6.4798, 5.6694,
16.9727

■ 24.8641, 26.9143,
20.1044

■ 5.4182, 4.3748,
16.7787

■ 28.5682, 31.1064,
20.7183

■ 4.5859, 3.3363,
16.6221

■ 32.6174, 35.6738,
21.3865

■ 3.9656, 2.5364,
16.5005

■ 37.0201, 40.6256,
22.1102

■ 3.5370, 1.9555,
16.4109

■ 41.7849, 45.9706,
22.8908

■ 3.2864, 1.6216,
16.3597

■ 46.9197, 51.7173,
23.7294

Harmonies

Analogous

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



12.7444, 13.7050, 18.1630



13.3116, 13.7050, 18.1634



13.8162, 13.7050, 17.2535

Triad

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



13.3116, 13.7050, 18.1634



13.8166, 13.7050, 12.8122



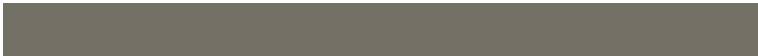
11.9963, 13.7050, 14.1243

Complementary

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



13.3116, 13.7050, 18.1634



15.3244, 16.3946, 14.6690

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.



12.2669, 13.7050, 12.8113



13.3116, 13.7050, 18.1634



13.3121, 13.7050, 12.0922

Square

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



13.3116, 13.7050, 18.1634



14.1135, 13.7050, 14.1255



12.7449, 13.7050, 12.0919



11.9962, 13.7050, 15.7487

Rectangle

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



13.3116, 13.7050, 18.1634



14.0445, 13.7050, 16.2889



12.7449, 13.7050, 12.0919



12.0583, 13.7050, 13.6346

Sweetspot

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



13.3120, 13.7056, 18.1637



27.2887, 28.5250, 33.1121



14.4728, 16.2184, 17.9612



6.4422, 6.7269, 7.8878



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.



13.3120, 13.7056, 18.1637



22.5566, 23.0584, 32.3064



13.6805, 13.6035, 18.1246



3.5390, 3.6666, 4.6114



3.7459, 1.8316, 18.6987



17.8622, 8.1409, 90.9902

Inverse Universe

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



14.1724, 13.9318, 14.7747



24.4686, 23.5762, 24.7723



14.9228, 16.5227, 14.7149



3.7033, 3.7086, 3.9645



8.1879, 4.2089, 0.9318



39.7027, 20.4312, 3.4980

Previews

White Background



This preview shows how the XYZ color 13.3116, 13.7050, 18.1634 looks on a white background.

Color Contrast Check

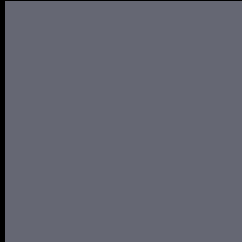
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3116, 13.7050, 18.1634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

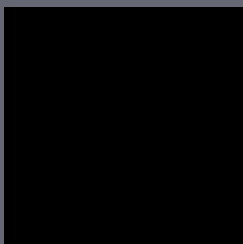
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

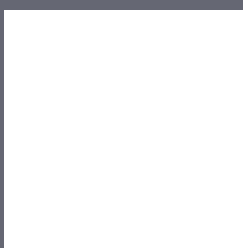
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.3116, 13.7050, 18.1634

Background



This preview shows how black text looks on a background with the XYZ color 13.3116, 13.7050, 18.1634.

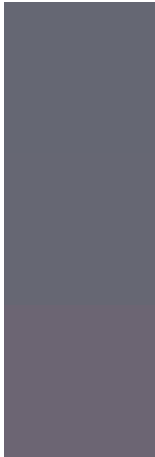


This preview shows how white text looks on a background with the XYZ color 13.3116, 13.7050,

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

13.3116, 13.7050, 18.1634

Protanopia

13.4242, 13.7631, 18.1687

Deuteranopia

13.9325, 13.7333, 18.1361



Tritanopia

13.1305, 13.7798, 17.2970

Trichromacy



Original Color

13.3116, 13.7050, 18.1634

Protanomaly

13.4242, 13.7631, 18.1687

Deuteranomaly

13.6716, 13.7438, 18.1519

Tritanomaly

13.1865, 13.8022, 17.5919

Monochromacy



Original Color

13.3116, 13.7050, 18.1634

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.2506, 13.8669, 16.1656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3116, 13.7050, 18.1634 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(101, 103, 115)` looks like.

```
.text, #text, p{  
    color:rgb(101, 103, 115)  
}
```

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(101, 103, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 103, 115) }
```

Border

The CSS property to change the border of an element to XYZ 13.3116, 13.7050, 18.1634 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(101, 103, 115) }
```


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

```
.border{ border-color:rgb(101, 103, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 103, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 103, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 103, 115);  
box-shadow:4px 4px 4px 4px rgb(101, 103,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3116, 13.7050, 18.1634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 103, 115) }
```

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

```
.background{ background-color: rgb(101,  
103, 115) }
```

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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