

Converting Colors

XYZ(13.7201, 17.7171, 19.1231)

Have a look what the booklet for
XYZ(13.7201, 17.7171, 19.1231)
contains.

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Color

**XYZ(13.7551, 17.8024,
19.2342)**

Conversions

Conversions Part 1

Format	Color
Hex	4E7E74
RGB	78, 126, 116
RGB Percent	31%, 49%, 45%
CMY	0.6941, 0.5059, 0.5451
CMYK	0.38, 0.00, 0.08, 0.51
HSL	167°, 24%, 40%
HSV	167°, 38%, 49%
XYZ	13.7551, 17.8024, 19.2342
YIQ	110.5080, -25.3980, -13.2860

Conversions

Conversions Part 2

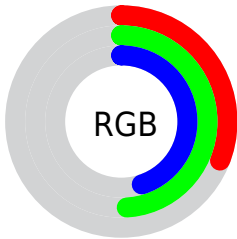
Format	Color
RYB	78, 105, 126
Decimal	5144180
CIELab	49.26, -18.76, 0.29
CIELCh	49, 18.767, 179.114
Yxy	17.8024, 0.2708, 0.3505
Android (android.graphics.Color)	4283334260 (0xFF4E7E74)
YUV	110.5080, 2.7076, -28.5095
Hunter-Lab	42.1929, -15.6456, 2.5069

Details

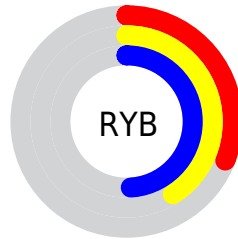
The XYZ color **13.7551, 17.8024, 19.2342** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.0906, 10.5894, 10.5872**, and the grayscale version is **14.9652, 15.7445, 17.1458**.

A 20% lighter version of the original color is **32.2412, 39.7345, 43.0160**, and **4.1762, 5.9720, 6.4014** is the 20% darker color. If you saturate the color by 10%, you get **12.6696, 17.2607, 18.3977**, and if you desaturate by 10%, it is **15.0438, 18.4493, 20.1035**.

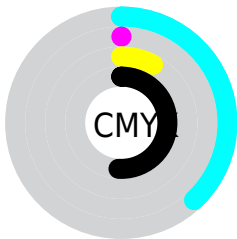
Distribution



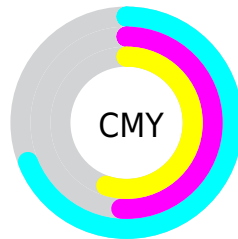
- Red (31%)
- Green (49%)
- Blue (45%)



- Red (31%)
- Yellow (41%)
- Blue (49%)



- Cyan (38%)
- Magenta (0%)
- Yellow (8%)
- Black (51%)



- Cyan (69%)
- Magenta (51%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7551, 17.8024, 19.2342 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 13.7551, 17.8024, 19.2342 by changing the saturation by 10% instead.

■ 13.7551, 17.8024,
19.2342

■ 13.7551, 17.8024,
19.2342

209.2432,
239.7549, 260.2043

■ 8.0311, 10.8082,
11.6611

■ 32.2438, 39.7003,
42.9714

■ 4.1668, 5.9380,
6.3936

■ 45.7391, 55.3729,
59.9726

■ 1.7969, 2.8074,
3.0132

■ 62.5557, 74.7070,
80.9536

■ 0.5158, 1.0320,
1.1014

■ 83.0587, 98.0870,
106.3330

■ 0.0000, 0.0000,
0.0000

■ 107.6136,
125.8975, 136.5291

136.5858,

158.5227, 171.9607

170.3405,
196.3470, 213.0463

■ 13.7551, 17.8024,
19.2342

■ 13.7551, 17.8024,
19.2342

■ 12.6696, 17.2607,
18.3977

■ 15.0438, 18.4493,
20.1035

■ 11.7744, 16.8161,
17.5921

■ 16.5445, 19.2046,
21.0051

■ 11.0575, 16.4629,
16.8170

■ 18.2677, 20.0740,
21.9399

■ 10.5048, 16.1939,
16.0716

■ 20.2223, 21.0622,
22.9087

■ 10.1000, 16.0007,
15.3548

■ 22.4171, 22.1737,
23.9120

■ 9.8035, 15.8628,
14.6648

■ 24.8601, 23.4127,
24.9503

■ 9.7493, 15.8376,
14.5359

■ 27.5592, 24.7832,
26.0242

■ 30.5218, 26.2889,
27.1342

■ 33.7551, 27.9337,
28.2807

Harmonies

Analogous

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



14.1773, 17.8024, 14.8188



13.7551, 17.8024, 19.2342



14.1308, 17.8024, 24.4965

Triad

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



13.7551, 17.8024, 19.2342



18.6226, 17.8024, 29.1528



18.7194, 17.8024, 12.1943

Complementary

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



13.7551, 17.8024, 19.2342



13.0906, 10.5894, 10.5872

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.



20.0554, 17.8024, 15.0371



13.7551, 17.8024, 19.2342



19.9968, 17.8024, 24.8014

Square

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



13.7551, 17.8024, 19.2342



16.8683, 17.8024, 30.7897



20.5380, 17.8024, 19.5341



16.9731, 17.8024, 11.2129

Rectangle

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



13.7551, 17.8024, 19.2342



14.7992, 17.8024, 27.6805



20.5380, 17.8024, 19.5341



19.2357, 17.8024, 12.9366

Sweetspot

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



13.7556, 17.8031, 19.2346



31.1515, 34.8270, 38.0907



12.8990, 17.5668, 9.9188



7.0107, 7.8839, 8.6240



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.7556, 17.8031, 19.2346



22.4797, 30.4706, 32.5304



12.7467, 14.8035, 21.9251



4.4093, 4.8720, 5.3263



9.9998, 16.2465, 14.9037



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.0906, 10.5894, 10.5872



21.1325, 15.8030, 14.9721



13.7725, 12.5713, 8.9086



4.3616, 4.3578, 4.7087



9.0199, 4.6277, 1.4286



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.7551, 17.8024, 19.2342 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 13.7551, 17.8024, 19.2342 looks on a black 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

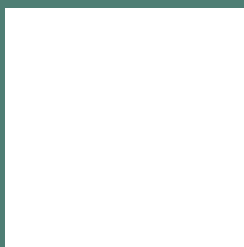
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.7551, 17.8024, 19.2342

Background



This preview shows how black text looks on a background with the XYZ color 13.7551, 17.8024, 19.2342.

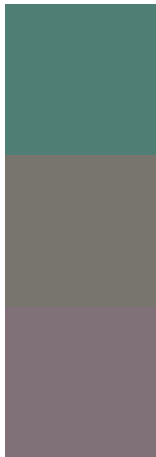


This preview shows how white text looks on a background with the XYZ color 13.7551, 17.8024,

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

13.7551, 17.8024, 19.2342

Protanopia

16.8056, 17.6096, 17.2651

Deuteranopia

17.9873, 17.6542, 19.9123



Tritanopia

14.7963, 17.6532, 24.8179

Trichromacy



Original Color

13.7551, 17.8024, 19.2342

Protanomaly

15.4668, 17.6061, 17.9124

Deuteranomaly

16.0551, 17.5161, 19.6743

Tritanomaly

14.4318, 17.6969, 22.7339

Monochromacy



Original Color

13.7551, 17.8024, 19.2342

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.3716, 16.3357, 18.0184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7551, 17.8024, 19.2342 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(78, 126, 116)` looks like.

```
.text, #text, p{  
  color:rgb(78, 126, 116)  
}
```

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(78, 126, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 126, 116) }
```

Border

The CSS property to change the border of an element to XYZ 13.7551, 17.8024, 19.2342 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(78, 126, 116) }
```


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

```
.border{ border-color:rgb(78, 126, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 126, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 126, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 126, 116);  
box-shadow:4px 4px 4px 4px rgb(78, 126,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7551, 17.8024, 19.2342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 126, 116) }
```

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

```
.background{ background-color: rgb(78, 126,  
116) }
```

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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