

Converting Colors

XYZ(13.1826, 13.5343, 17.3047)

Have a look what the booklet for
XYZ(13.1826, 13.5343, 17.3047)
contains.

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Color

**XYZ(13.1555, 13.4974,
17.2411)**

Conversions

Conversions Part 1

Format	Color
Hex	666670
RGB	102, 102, 112
RGB Percent	40%, 40%, 44%
CMY	0.6000, 0.6000, 0.5608
CMYK	0.09, 0.09, 0.00, 0.56
HSL	240°, 5%, 42%
HSV	240°, 9%, 44%
XYZ	13.1555, 13.4974, 17.2411
YIQ	103.1400, -3.2100, 3.1100

Conversions

Conversions Part 2

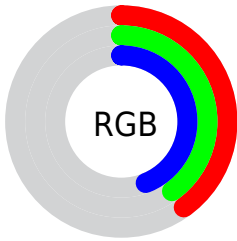
Format	Color
R _Y B	102, 102, 112
Decimal	6710896
CIE Lab	43.50, 2.16, -5.61
CIE LCh	44, 6.010, 291.047
Yxy	13.4974, 0.2997, 0.3075
Android (android.graphics.Color)	4284900976 (0xFF666670)
YUV	103.1400, 4.3680, -0.9998
Hunter-Lab	36.7388, -0.3753, -2.1069

Details

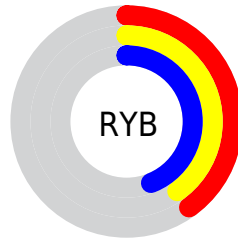
The XYZ color **13.1555, 13.4974, 17.2411** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.8745, 15.9922, 14.8735**, and the grayscale version is **12.9189, 13.5917, 14.8014**.

A 20% lighter version of the original color is **31.2289, 32.2351, 39.6980**, and **3.8672, 3.9148, 5.4023** is the 20% darker color. If you saturate the color by 10%, you get **10.9438, 10.8327, 16.8435**, and if you desaturate by 10%, it is **15.6882, 16.5490, 17.6968**.

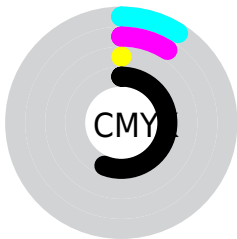
Distribution



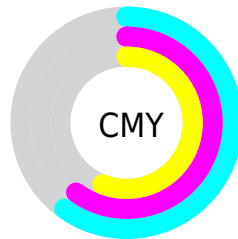
- Red (40%)
- Green (40%)
- Blue (44%)



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



- Cyan (9%)
- Magenta (9%)
- Yellow (0%)
- Black (56%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1555, 13.4974, 17.2411 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 13.1555, 13.4974, 17.2411 by changing the saturation by 10% instead.

■ 13.1555, 13.4974,
17.2411

■ 13.1555, 13.4974,
17.2411

205.5294,
214.0813, 248.6488

■ 7.6134, 7.7719,
10.2428

■ 31.1818, 32.1945,
39.5362

■ 3.8983, 3.9494,
5.4525

■ 44.3968, 45.9350,
55.6700

■ 1.6448, 1.6453,
2.4518

■ 60.9001, 63.1159,
75.6860

■ 0.4213, 0.3878,
0.8144

■ 81.0571, 84.1217,
100.0029

■ 0.0000, 0.0000,
0.0000

105.2332,
109.3368, 129.0390

133.7937,

139.1454, 163.2130

167.1040,
173.9322, 202.9434

■ 13.1555, 13.4974,
17.2411

■ 13.1555, 13.4974,
17.2411

■ 10.9438, 10.8327,
16.8435

■ 15.6882, 16.5490,
17.6968

■ 9.0392, 8.5379,
16.5010

■ 18.5527, 20.0004,
18.2121

■ 7.4285, 6.5971,
16.2113

■ 21.7609, 23.8658,
18.7891

■ 6.0970, 4.9927,
15.9718

■ 25.3236, 28.1584,
19.4298

■ 5.0289, 3.7056,
15.7796

■ 29.2512, 32.8906,
20.1362

■ 4.2066, 2.7148,
15.6317

■ 33.5537, 38.0745,
20.9101

■ 3.6107, 1.9967,
15.5245

■ 38.2407, 43.7215,
21.7530

■ 3.2185, 1.5241,
15.4540

■ 43.3214, 49.8429,
22.6668

■ 2.9529, 1.2041,
15.4062

■ 48.8047, 56.4494,
23.6530

Harmonies

Analogous

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



12.6890, 13.4974, 17.3983



13.1555, 13.4974, 17.2411



13.5431, 13.4974, 16.3807

Triad

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



13.1555, 13.4974, 17.2411



13.4042, 13.4974, 12.7779



11.9585, 13.4974, 14.2981

Complementary

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



13.1555, 13.4974, 17.2411



14.8745, 15.9922, 14.8735

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.



12.1402, 13.4974, 13.1317



13.1555, 13.4974, 17.2411



12.9697, 13.4974, 12.2898

Square

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



13.1555, 13.4974, 17.2411



13.6891, 13.4974, 13.7881



12.5077, 13.4974, 12.4152



12.0055, 13.4974, 15.6436

Rectangle

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



13.1555, 13.4974, 17.2411



13.7009, 13.4974, 15.5513



12.5077, 13.4974, 12.4152



11.9947, 13.4974, 13.8734

Sweetspot

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



13.1559, 13.4980, 17.2414



25.6440, 26.7638, 30.7441



14.1892, 15.5795, 17.5401



6.0851, 6.3386, 7.3725



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.



13.1559, 13.4980, 17.2414



22.1445, 22.5473, 30.1147



13.7196, 13.7883, 17.2677



3.2176, 3.3005, 4.2217



3.3813, 1.3529, 17.8045



16.8430, 6.7379, 88.6920

Inverse Universe

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



13.8320, 13.9071, 14.5264



23.6235, 23.4422, 24.1757



14.2761, 15.6840, 14.8455



3.3845, 3.4015, 3.5516



7.7251, 3.9824, 0.3621



38.4816, 19.8379, 1.8021

Previews

White Background



This preview shows how the XYZ color 13.1555, 13.4974, 17.2411 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 13.1555, 13.4974, 17.2411 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

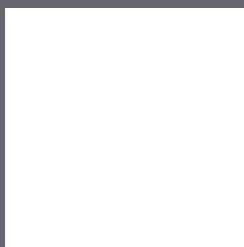
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.1555, 13.4974, 17.2411

Background



This preview shows how black text looks on a background with the XYZ color 13.1555, 13.4974, 17.2411.



This preview shows how white text looks on a background with the XYZ color 13.1555, 13.4974,

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

13.1555, 13.4974, 17.2411

Protanopia

13.1555, 13.4974, 17.2411

Deuteranopia

13.6661, 13.4723, 17.2094



Tritanopia

13.0453, 13.4533, 16.6610

Trichromacy



Original Color

13.1555, 13.4974, 17.2411

Protanomaly

13.1555, 13.4974, 17.2411

Deuteranomaly

13.5222, 13.5414, 17.2303

Tritanomaly

13.1001, 13.4752, 16.9495

Monochromacy



Original Color

13.1555, 13.4974, 17.2411

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.0453, 13.6247, 15.5779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1555, 13.4974, 17.2411 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, 102, 112)` looks like.

```
.text, #text, p{  
    color:rgb(102, 102, 112)  
}
```

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, 102, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 102, 112) }
```

Border

The CSS property to change the border of an element to XYZ 13.1555, 13.4974, 17.2411 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, 102, 112) }
```


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

```
.border{ border-color:rgb(102, 102, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 102, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 102, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 102, 112);  
box-shadow:4px 4px 4px 4px rgb(102, 102,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1555, 13.4974, 17.2411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 102, 112) }
```

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

```
.background{ background-color: rgb(102,  
102, 112) }
```

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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