

Converting Colors

XYZ(13.1664, 14.7183, 15.3376)

Have a look what the booklet for
XYZ(13.1664, 14.7183, 15.3376)
contains.

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Color

**XYZ(13.2202, 14.8040,
15.2574)**

Conversions

Conversions Part 1

Format	Color
Hex	636E68
RGB	99, 110, 104
RGB Percent	39%, 43%, 41%
CMY	0.6118, 0.5686, 0.5922
CMYK	0.10, 0.00, 0.05, 0.57
HSL	147°, 5%, 41%
HSV	147°, 10%, 43%
XYZ	13.2202, 14.8040, 15.2574
YIQ	106.0270, -4.6300, -4.1980

Conversions

Conversions Part 2

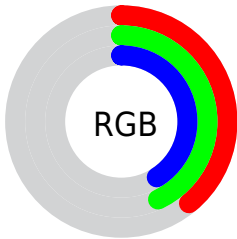
Format	Color
R_{YB}	99, 107, 110
Decimal	6516328
CIE Lab	45.36, -5.44, 1.92
CIE LCh	45, 5.770, 160.564
Yxy	14.8040, 0.3054, 0.3420
Android (android.graphics.Color)	4284706408 (0xFF636E68)
YUV	106.0270, -0.9993, -6.1627
Hunter-Lab	38.4760, -6.0010, 3.4221

Details

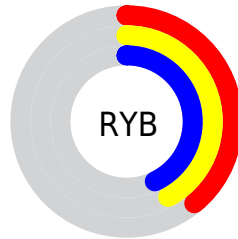
The XYZ color **13.2202, 14.8040, 15.2574** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.4426, 13.2589, 15.2160**, and the grayscale version is **13.7109, 14.4249, 15.7087**.

A 20% lighter version of the original color is **31.4144, 34.6912, 36.0507**, and **3.8773, 4.4707, 4.5295** is the 20% darker color. If you saturate the color by 10%, you get **11.8054, 14.1090, 13.6564**, and if you desaturate by 10%, it is **14.8213, 15.5933, 16.9810**.

Distribution



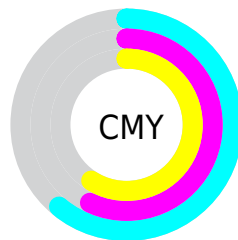
- Red (39%)
- Green (43%)
- Blue (41%)



- Red (39%)
- Yellow (42%)
- Blue (43%)



- Cyan (10%)
- Magenta (0%)
- Yellow (5%)
- Black (57%)



- Cyan (61%)
- Magenta (57%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2202, 14.8040, 15.2574 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 13.2202, 14.8040, 15.2574 by changing the saturation by 10% instead.

■ 13.2202, 14.8040,
15.2574

■ 13.2202, 14.8040,
15.2574

205.9333,
222.1768, 236.6132

■ 7.6584, 8.6819,
8.8516

■ 31.2968, 34.5090,
36.0528

■ 3.9271, 4.5343,
4.5490

■ 44.5423, 48.8607,
51.2794

■ 1.6610, 1.9767,
1.9311

■ 61.0797, 66.7244,
70.2835

■ 0.4317, 0.5939,
0.5124

■ 81.2744, 88.4845,
93.4834

■ 0.0000, 0.0000,
0.0000

105.4918,
114.5254, 121.2978

134.0971,

145.2315, 154.1452

167.4559,
180.9872, 192.4442

■ 13.2202, 14.8040,
15.2574

■ 13.2202, 14.8040,
15.2574

■ 11.8054, 14.1090,
13.6564

■ 14.8213, 15.5933,
16.9810

■ 10.5685, 13.5029,
12.1744

■ 16.6141, 16.4785,
18.8288

■ 9.5026, 12.9826,
10.8088

■ 18.6052, 17.4633,
20.8036

■ 8.5996, 12.5438,
9.5569

■ 20.8008, 18.5509,
22.9078

■ 7.8508, 12.1823,
8.4157

■ 23.2064, 19.7440,
25.1439

■ 7.2467, 11.8931,
7.3819

■ 25.8278, 21.0456,
27.5141

■ 6.7764, 11.6708,
6.4523

■ 28.6701, 22.4584,
30.0206

■ 6.4279, 11.5091,
5.6234

■ 31.7385, 23.9848,
32.6656

■ 6.1518, 11.3827,
4.8899

■ 35.0380, 25.6275,
35.4512

Harmonies

Analogous

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



13.4804, 14.8040, 14.1976



13.2202, 14.8040, 15.2574



13.1849, 14.8040, 16.6073

Triad

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



13.2202, 14.8040, 15.2574



14.2402, 14.8040, 18.8528



14.7819, 14.8040, 14.4643

Complementary

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



13.2202, 14.8040, 15.2574



13.4426, 13.2589, 15.2160

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.



14.9955, 14.8040, 15.6404



13.2202, 14.8040, 15.2574



14.6781, 14.8040, 18.2064

Square

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



13.2202, 14.8040, 15.2574



13.7666, 14.8040, 18.7358



14.9570, 14.8040, 17.0125



14.3794, 14.8040, 13.7580

Rectangle

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



13.2202, 14.8040, 15.2574



13.2927, 14.8040, 17.4975



14.9570, 14.8040, 17.0125



14.8786, 14.8040, 14.8150

Sweetspot

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



13.2206, 14.8046, 15.2577



25.1271, 26.9395, 28.8658



13.6602, 15.0597, 13.9914



5.8013, 6.2463, 6.6681



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



13.2206, 14.8046, 15.2577



22.6121, 25.7010, 26.1234



13.5066, 14.9190, 16.7639



3.4022, 3.7861, 3.9244



7.3754, 13.6677, 5.7976



36.3158, 67.9150, 26.6463

Inverse Universe

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



13.4426, 13.2589, 15.2160



23.0851, 22.4073, 26.0344



13.1712, 13.1504, 13.7870



3.4535, 3.4291, 3.9148



8.6901, 4.3684, 5.4440



42.8497, 21.5852, 24.8047

Previews

White Background



This preview shows how the XYZ color 13.2202, 14.8040, 15.2574 looks on a white background.

Color Contrast Check

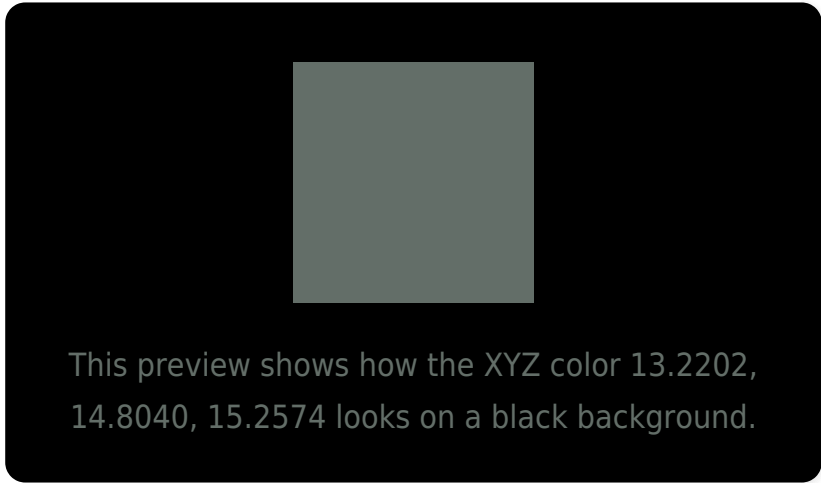
Large Text (above 18pt) WCAG AA ✓ Pass

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

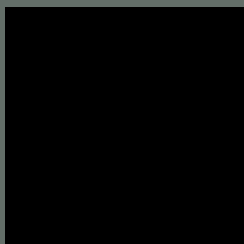
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

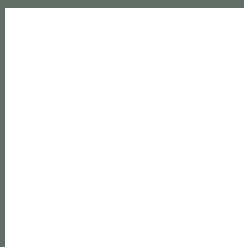
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.2202, 14.8040, 15.2574

Background



This preview shows how black text looks on a background with the XYZ color 13.2202, 14.8040, 15.2574.



This preview shows how white text looks on a background with the XYZ color 13.2202, 14.8040,

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

13.2202, 14.8040, 15.2574

Protanopia

14.0864, 14.7897, 14.6826

Deuteranopia

14.9713, 14.7721, 15.4268



Tritanopia

13.9403, 14.7762, 18.9470

Trichromacy



Original Color

13.2202, 14.8040, 15.2574

Protanomaly

13.7546, 14.7686, 14.9576

Deuteranomaly

14.2594, 14.7075, 15.4519

Tritanomaly

13.6488, 14.8165, 17.4697

Monochromacy



Original Color

13.2202, 14.8040, 15.2574

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.4010, 14.4189, 15.4414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2202, 14.8040, 15.2574 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(99, 110, 104) looks like.

```
.text, #text, p{  
    color:rgb(99, 110, 104)  
}
```

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(99, 110, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 110, 104) }
```

Border

The CSS property to change the border of an element to XYZ 13.2202, 14.8040, 15.2574 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(99, 110, 104) }
```


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

```
.border{ border-color:rgb(99, 110, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 110, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 110, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 110, 104);  
box-shadow:4px 4px 4px 4px rgb(99, 110,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2202, 14.8040, 15.2574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 110, 104) }
```

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

```
.background{ background-color: rgb(99, 110,  
104) }
```

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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