

Converting Colors

XYZ(12.7310, 14.1312, 15.3918)

Have a look what the booklet for
XYZ(12.7310, 14.1312, 15.3918)
contains.

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Color

**XYZ(12.7373, 14.0767,
15.4104)**

Conversions

Conversions Part 1

Format	Color
Hex	616B69
RGB	97, 107, 105
RGB Percent	38%, 42%, 41%
CMY	0.6196, 0.5804, 0.5882
CMYK	0.09, 0.00, 0.02, 0.58
HSL	168°, 5%, 40%
HSV	168°, 9%, 42%
XYZ	12.7373, 14.0767, 15.4104
YIQ	103.7820, -5.3180, -2.7420

Conversions

Conversions Part 2

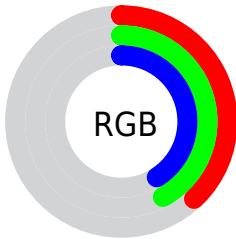
Format	Color
R_{YB}	97, 103, 107
Decimal	6384489
CIE Lab	44.34, -4.23, -0.19
CIE LCh	44, 4.234, 182.546
Yxy	14.0767, 0.3017, 0.3334
Android (android.graphics.Color)	4284574569 (0xFF616B69)
YUV	103.7820, 0.6005, -5.9478
Hunter-Lab	37.5189, -5.0592, 1.9107

Details

The XYZ color **12.7373, 14.0767, 15.4104** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5908, 12.5765, 13.5689**, and the grayscale version is **13.0997, 13.7819, 15.0084**.

A 20% lighter version of the original color is **30.4404, 33.1499, 36.2467**, and **3.7448, 4.2410, 4.6242** is the 20% darker color. If you saturate the color by 10%, you get **11.5646, 13.4851, 14.7884**, and if you desaturate by 10%, it is **14.0674, 14.7499, 16.0548**.

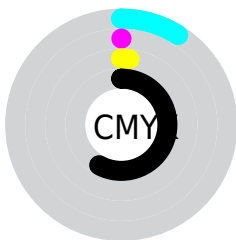
Distribution



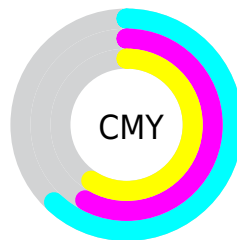
- Red (38%)
- Green (42%)
- Blue (41%)



- Red (38%)
- Yellow (40%)
- Blue (42%)



- Cyan (9%)
- Magenta (0%)
- Yellow (2%)
- Black (58%)



- Cyan (62%)
- Magenta (58%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7373, 14.0767, 15.4104 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 12.7373, 14.0767, 15.4104 by changing the saturation by 10% instead.

■ 12.7373, 14.0767,
15.4104

■ 12.7373, 14.0767,
15.4104

202.8989,
217.7075, 237.5627

■ 7.3236, 8.1740,
8.9581

■ 30.4364, 33.2251,
36.3240

■ 3.7134, 4.2065,
4.6174

■ 43.4525, 47.2395,
51.6224

■ 1.5413, 1.7897,
1.9698

■ 59.7335, 64.7267,
70.7065

■ 0.3537, 0.4808,
0.5366

■ 79.6447, 86.0711,
93.9950

■ 0.0000, 0.0000,
0.0000

103.5515,
111.6569, 121.9063

131.8192,

141.8687, 154.8590

164.8133,
177.0907, 193.2716

■ 12.7373, 14.0767,
15.4104

■ 12.7373, 14.0767,
15.4104

■ 11.5646, 13.4851,
14.7884

■ 14.0674, 14.7499,
16.0548

■ 10.5420, 12.9702,
14.1876

■ 15.5595, 15.5059,
16.7211

■ 9.6633, 12.5291,
13.6077

■ 17.2194, 16.3481,
17.4098

■ 8.9215, 12.1583,
13.0484

■ 19.0525, 17.2792,
18.1215

■ 8.3089, 11.8538,
12.5091

■ 21.0637, 18.3019,
18.8564

■ 7.8172, 11.6113,
11.9895

■ 23.2578, 19.4185,
19.6148

■ 7.4370, 11.4260,
11.4889

■ 25.6395, 20.6314,
20.3971

■ 7.1574, 11.2922,
11.0068

■ 28.2131, 21.9430,
21.2036

■ 6.9355, 11.1879,
10.5409

■ 30.9831, 23.3554,
22.0345

Harmonies

Analogous

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



12.8080, 14.0767, 14.4805



12.7373, 14.0767, 15.4104



12.8362, 14.0767, 16.3560

Triad

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



12.7373, 14.0767, 15.4104



13.7341, 14.0767, 16.9592



13.6830, 14.0767, 13.7259

Complementary

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



12.7373, 14.0767, 15.4104



12.5908, 12.5765, 13.5689

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.



13.9379, 14.0767, 14.3423



12.7373, 14.0767, 15.4104



13.9677, 14.0767, 16.2061

Square

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



12.7373, 14.0767, 15.4104



13.4085, 14.0767, 17.2736



14.0429, 14.0767, 15.2442



13.3505, 14.0767, 13.5327

Rectangle

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



12.7373, 14.0767, 15.4104



12.9861, 14.0767, 16.8611



14.0429, 14.0767, 15.2442



13.7808, 14.0767, 13.8891

Sweetspot

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



12.7377, 14.0773, 15.4107



24.2650, 25.9431, 28.3113



12.5797, 14.0411, 13.3568



5.8326, 6.2589, 6.8331



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.



12.7377, 14.0773, 15.4107



22.3732, 24.9868, 27.3719



12.5512, 13.5377, 15.8621



3.1571, 3.4820, 3.8113



8.4089, 13.5976, 12.7302



42.5342, 69.1608, 63.2192

Inverse Universe

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



12.5908, 12.5765, 13.5689



22.0589, 21.7757, 23.4315



12.7628, 13.0717, 13.1600



3.1222, 3.1258, 3.3741



7.5359, 3.8665, 1.1849



38.1406, 19.5982, 4.6771

Previews

White Background



This preview shows how the XYZ color 12.7373, 14.0767, 15.4104 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 12.7373, 14.0767, 15.4104 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

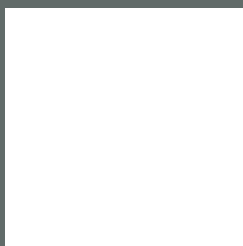
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7373, 14.0767, 15.4104

Background



This preview shows how black text looks on a background with the XYZ color 12.7373, 14.0767, 15.4104.



This preview shows how white text looks on a background with the XYZ color 12.7373, 14.0767,

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

12.7373, 14.0767, 15.4104

Protanopia

13.4619, 14.0057, 14.8258

Deuteranopia

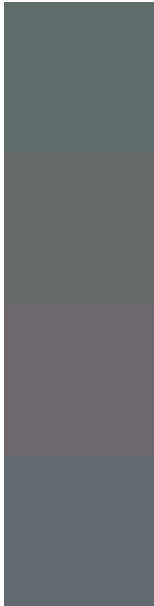
14.1946, 13.9254, 15.5754



Tritanopia

13.3369, 14.1756, 17.9528

Trichromacy



Original Color

12.7373, 14.0767, 15.4104

Protanomaly

13.1438, 13.9862, 15.1036

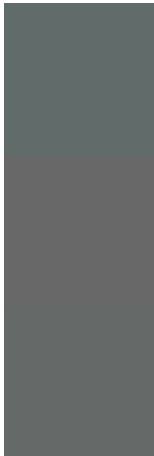
Deuteranomaly

13.6361, 13.9292, 15.6056

Tritanomaly

13.0603, 14.0524, 17.0630

Monochromacy



Original Color

12.7373, 14.0767, 15.4104

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9171, 13.8693, 15.0929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7373, 14.0767, 15.4104 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(97, 107, 105) looks like.

```
.text, #text, p{  
    color:rgb(97, 107, 105)  
}
```

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(97, 107, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 107, 105) }
```

Border

The CSS property to change the border of an element to XYZ 12.7373, 14.0767, 15.4104 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(97, 107, 105) }
```


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

```
.border{ border-color:rgb(97, 107, 105) }
```

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

Here you see how a box with a 4 pixel rgb(97, 107, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 107, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 107, 105);  
box-shadow:4px 4px 4px 4px rgb(97, 107,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7373, 14.0767, 15.4104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 107, 105) }
```

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

```
.background{ background-color: rgb(97, 107,  
105) }
```

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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