

Converting Colors

XYZ(12.7380, 14.0873, 15.7009)

Have a look what the booklet for
XYZ(12.7380, 14.0873, 15.7009)
contains.

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Color

**XYZ(12.6831, 14.0428,
15.6777)**

Conversions

Conversions Part 1

Format	Color
Hex	606B6A
RGB	96, 107, 106
RGB Percent	38%, 42%, 42%
CMY	0.6235, 0.5804, 0.5843
CMYK	0.10, 0.00, 0.01, 0.58
HSL	175°, 5%, 40%
HSV	175°, 10%, 42%
XYZ	12.6831, 14.0428, 15.6777
YIQ	103.5970, -6.2350, -2.6430

Conversions

Conversions Part 2

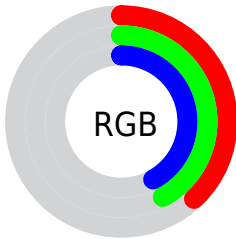
Format	Color
R _Y B	96, 102, 107
Decimal	6318954
CIE Lab	44.29, -4.38, -0.87
CIE LCh	44, 4.470, 191.234
Yxy	14.0428, 0.2991, 0.3312
Android (android.graphics.Color)	4284509034 (0xFF606B6A)
YUV	103.5970, 1.1847, -6.6626
Hunter-Lab	37.4737, -5.1651, 1.4267

Details

The XYZ color **12.6831, 14.0428, 15.6777** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.4045, 12.3550, 13.0410**, and the grayscale version is **13.0490, 13.7286, 14.9504**.

A 20% lighter version of the original color is **30.3453, 33.0911, 36.6861**, and **3.7207, 4.2256, 4.7572** is the 20% darker color. If you saturate the color by 10%, you get **11.5828, 13.4818, 15.3635**, and if you desaturate by 10%, it is **13.9380, 14.6842, 16.0028**.

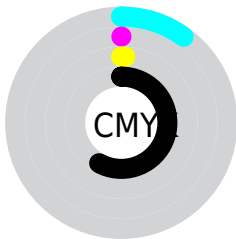
Distribution



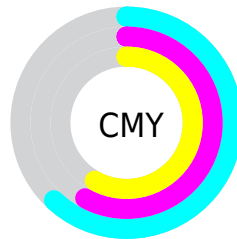
- Red (38%)
- Green (42%)
- Blue (42%)



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



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (58%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6831, 14.0428, 15.6777 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 12.6831, 14.0428, 15.6777 by changing the saturation by 10% instead.

■ 12.6831, 14.0428,
15.6777

■ 12.6831, 14.0428,
15.6777

202.5555,
217.4969, 239.2127

■ 7.2862, 8.1504,
9.1445

■ 30.3395, 33.1650,
36.7967

■ 3.6896, 4.1914,
4.7375

■ 43.3296, 47.1635,
52.2196

■ 1.5281, 1.7812,
2.0380

■ 59.5815, 64.6330,
71.4429

■ 0.3448, 0.4754,
0.5785

■ 79.4606, 85.9577,
94.8850

■ 0.0000, 0.0000,
0.0000

103.3322,
111.5220, 122.9645

131.5616,

141.7104, 156.0999

164.5143,
176.9073, 194.7098

■ 12.6831, 14.0428,
15.6777

■ 12.6831, 14.0428,
15.6777

■ 11.5828, 13.4818,
15.3635

■ 13.9380, 14.6842,
16.0028

■ 10.6298, 12.9962,
15.0588

■ 15.3522, 15.4073,
16.3380

■ 9.8179, 12.5834,
14.7638

■ 16.9316, 16.2155,
16.6840

■ 9.1401, 12.2396,
14.4780

■ 18.6813, 17.1114,
17.0410

■ 8.5887, 11.9609,
14.2010

■ 20.6065, 18.0977,
17.4093

■ 8.1551, 11.7429,
13.9326

■ 22.7118, 19.1768,
17.7891

■ 7.8301, 11.5807,
13.6722

■ 25.0020, 20.3512,
18.1805

■ 7.6025, 11.4688,
13.4192

■ 27.4814, 21.6230,
18.5839

■ 7.4277, 11.3838,
13.1784

■ 30.1544, 22.9945,
18.9995

Harmonies

Analogous

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



12.7057, 14.0428, 14.6645



12.6831, 14.0428, 15.6777



12.8360, 14.0428, 16.6275

Triad

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



12.6831, 14.0428, 15.6777



13.8064, 14.0428, 16.8220



13.5700, 14.0428, 13.4977

Complementary

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



12.6831, 14.0428, 15.6777



12.4045, 12.3550, 13.0410

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.



13.8719, 14.0428, 14.0267



12.6831, 14.0428, 15.6777



14.0100, 14.0428, 15.9335

Square

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



12.6831, 14.0428, 15.6777



13.4819, 14.0428, 17.3075



14.0342, 14.0428, 14.9092



13.2135, 14.0428, 13.4361

Rectangle

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



12.6831, 14.0428, 15.6777



13.0186, 14.0428, 17.0852



14.0342, 14.0428, 14.9092



13.6814, 14.0428, 13.6256

Sweetspot

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



12.6835, 14.0434, 15.6780



24.2987, 25.9566, 28.4890



12.3099, 13.9074, 13.1022



5.8426, 6.2629, 6.8857



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.



12.6835, 14.0434, 15.6780



22.2828, 24.9271, 27.9550



12.2887, 13.1699, 15.8050



3.1705, 3.4874, 3.8817



9.0301, 13.8461, 16.0015



45.8450, 70.4851, 80.6535

Inverse Universe

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



12.4045, 12.3550, 13.0410



21.6912, 21.3470, 22.3633



12.7709, 13.1621, 12.9340



3.1099, 3.1208, 3.3092



7.4351, 3.8262, 0.6537



37.7341, 19.4356, 2.5365

Previews

White Background



This preview shows how the XYZ color 12.6831, 14.0428, 15.6777 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 12.6831, 14.0428, 15.6777 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

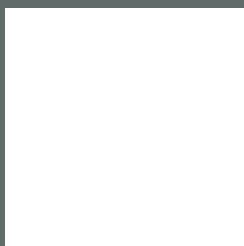
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6831, 14.0428, 15.6777

Background



This preview shows how black text looks on a background with the XYZ color 12.6831, 14.0428, 15.6777.



This preview shows how white text looks on a background with the XYZ color 12.6831, 14.0428,

15.6777.

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

12.6831, 14.0428, 15.6777

Protanopia

13.3929, 13.9643, 15.0862

Deuteranopia

14.1176, 13.8796, 15.8449



Tritanopia

13.1211, 14.0644, 17.9427

Trichromacy



Original Color

12.6831, 14.0428, 15.6777

Protanomaly

13.0809, 13.9479, 15.3674

Deuteranomaly

13.5675, 13.8878, 15.8755

Tritanomaly

12.9530, 13.9972, 17.0579

Monochromacy



Original Color

12.6831, 14.0428, 15.6777

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9682, 13.8898, 15.3621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6831, 14.0428, 15.6777 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(96, 107, 106) looks like.

```
.text, #text, p{  
    color:rgb(96, 107, 106)  
}
```

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(96, 107, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 107, 106) }
```

Border

The CSS property to change the border of an element to XYZ 12.6831, 14.0428, 15.6777 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(96, 107, 106) }
```


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

```
.border{ border-color:rgb(96, 107, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 107, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 107, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 107, 106);  
box-shadow:4px 4px 4px 4px rgb(96, 107,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6831, 14.0428, 15.6777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 107, 106) }
```

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

```
.background{ background-color: rgb(96, 107,  
106) }
```

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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