

Converting Colors

XYZ(12.6475, 14.3474, 13.0053)

Have a look what the booklet for
XYZ(12.6475, 14.3474, 13.0053)
contains.

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Color

**XYZ(12.6798, 14.4162,
12.9408)**

Conversions

Conversions Part 1

Format	Color
Hex	636D5F
RGB	99, 109, 95
RGB Percent	39%, 43%, 37%
CMY	0.6118, 0.5725, 0.6274
CMYK	0.09, 0.00, 0.13, 0.57
HSL	103°, 7%, 40%
HSV	103°, 13%, 43%
XYZ	12.6798, 14.4162, 12.9408
YIQ	104.4140, -1.4660, -6.4740

Conversions

Conversions Part 2

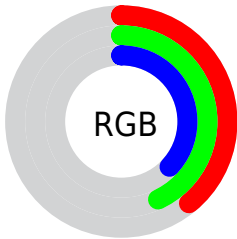
Format	Color
R_{YB}	95, 109, 105
Decimal	6516063
CIE Lab	44.82, -6.69, 6.54
CIE LCh	45, 9.353, 135.664
Yxy	14.4162, 0.3167, 0.3601
Android (android.graphics.Color)	4284706143 (0xFF636D5F)
YUV	104.4140, -4.6411, -4.7481
Hunter-Lab	37.9687, -6.8343, 6.3704

Details

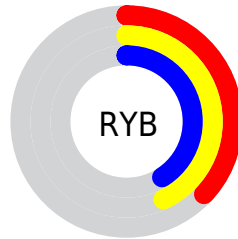
The XYZ color **12.6798, 14.4162, 12.9408** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6789, 12.2923, 16.1732**, and the grayscale version is **13.2819, 13.9736, 15.2172**.

A 20% lighter version of the original color is **30.2593, 33.6700, 31.6922**, and **3.6932, 4.3971, 3.5598** is the 20% darker color. If you saturate the color by 10%, you get **11.4086, 13.8146, 10.4734**, and if you desaturate by 10%, it is **14.1032, 15.0891, 15.7779**.

Distribution



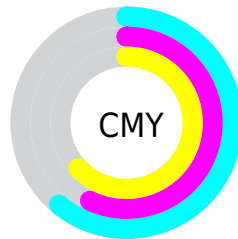
- Red (39%)
- Green (43%)
- Blue (37%)



- Red (37%)
- Yellow (43%)
- Blue (41%)



- Cyan (9%)
- Magenta (0%)
- Yellow (13%)
- Black (57%)



- Cyan (61%)
- Magenta (57%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6798, 14.4162, 12.9408 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 12.6798, 14.4162, 12.9408 by changing the saturation by 10% instead.

■ 12.6798, 14.4162,
12.9408

■ 12.6798, 14.4162,
12.9408

202.5346,
219.8049, 221.7324

■ 7.2839, 8.4107,
7.2575

■ 30.3336, 33.8257,
31.8870

■ 3.6882, 4.3589,
3.5428

■ 43.3221, 47.9985,
45.9871

■ 1.5273, 1.8763,
1.3780

■ 59.5723, 65.6625,
63.7298

■ 0.3443, 0.5340,
0.1245

■ 79.4494, 87.2022,
85.5337

■ 0.0000, 0.0000,
0.0000

103.3188,
113.0019, 111.8174

131.5460,

143.4459, 142.9994

164.4961,
178.9188, 179.4982

■ 12.6798, 14.4162,
12.9408

■ 12.6798, 14.4162,
12.9408

■ 11.4086, 13.8146,
10.4734

■ 14.1032, 15.0891,
15.7779

■ 10.2833, 13.2801,
8.3595

■ 15.6825, 15.8336,
18.9982

■ 9.2987, 12.8108,
6.5834

■ 17.4229, 16.6525,
22.6153

■ 8.4490, 12.4041,
5.1273

■ 19.3287, 17.5479,
26.6423

■ 7.7280, 12.0573,
3.9723

■ 21.4044, 18.5216,
31.0914

■ 7.1288, 11.7671,
3.0972

■ 23.6540, 19.5756,
35.9745

■ 6.6439, 11.5304,
2.4781

■ 26.0815, 20.7116,
41.3028

■ 6.2641, 11.3429,
2.0832

■ 28.6909, 21.9315,
47.0872

■ 6.0381, 11.2313,
1.8496

■ 31.4859, 23.2368,
53.3384

Harmonies

Analogous

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



13.3100, 14.4162, 11.9902



12.6798, 14.4162, 12.9408



12.3299, 14.4162, 14.6797

Triad

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



12.6798, 14.4162, 12.9408



13.3423, 14.4162, 20.1276



15.1632, 14.4162, 14.5899

Complementary

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



12.6798, 14.4162, 12.9408



12.6789, 12.2923, 16.1732

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.



15.1726, 14.4162, 16.7598



12.6798, 14.4162, 12.9408



14.1019, 14.4162, 20.0979

Square

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



12.6798, 14.4162, 12.9408



12.7026, 14.4162, 18.8965



14.7781, 14.4162, 18.8187



14.7528, 14.4162, 12.8804

Rectangle

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



12.6798, 14.4162, 12.9408



12.2940, 14.4162, 16.1150



14.7781, 14.4162, 18.8187



15.2139, 14.4162, 15.2859

Sweetspot

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



12.6802, 14.4168, 12.9411



24.9148, 26.8584, 27.5711



13.4041, 14.1406, 12.8496



5.7606, 6.2325, 6.3411



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.



12.6802, 14.4168, 12.9411



22.0938, 25.5251, 21.9740



12.3836, 14.2489, 13.6038



3.1377, 3.4828, 3.3243



7.0398, 13.1243, 2.1622



35.1122, 66.4831, 10.9819

Inverse Universe

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



12.6789, 12.2923, 16.1732



22.0909, 21.0359, 28.8033



13.0114, 12.4808, 15.4142



3.1375, 3.1226, 3.8722



6.8664, 3.1668, 17.1716



34.1024, 15.6801, 87.4554

Previews

White Background



This preview shows how the XYZ color 12.6798, 14.4162, 12.9408 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 12.6798, 14.4162, 12.9408 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

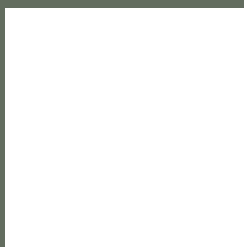
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6798, 14.4162, 12.9408

Background



This preview shows how black text looks on a background with the XYZ color 12.6798, 14.4162, 12.9408.

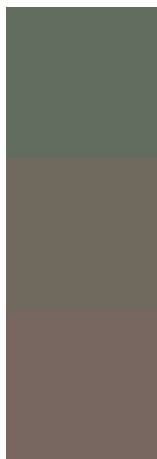


This preview shows how white text looks on a background with the XYZ color 12.6798, 14.4162,

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

12.6798, 14.4162, 12.9408

Protanopia

13.6854, 14.4779, 12.4291

Deuteranopia

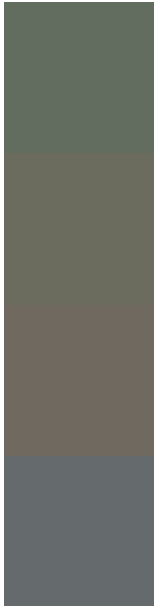
14.6084, 14.3403, 13.0643



Tritanopia

13.7280, 14.3707, 18.2699

Trichromacy



Original Color

12.6798, 14.4162, 12.9408

Protanomaly

13.3415, 14.4493, 12.6755

Deuteranomaly

13.8450, 14.3924, 13.1146

Tritanomaly

13.3313, 14.3648, 16.2574

Monochromacy



Original Color

12.6798, 14.4162, 12.9408

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9825, 14.0724, 14.3439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6798, 14.4162, 12.9408 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, 109, 95) looks like.

```
.text, #text, p{  
    color:rgb(99, 109, 95)  
}
```

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, 109, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 109, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.6798, 14.4162, 12.9408 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, 109, 95) }
```


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

```
.border{ border-color:rgb(99, 109, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 109, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 109, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 109, 95);  
box-shadow:4px 4px 4px 4px rgb(99, 109,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6798, 14.4162, 12.9408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 109, 95) }
```

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

```
.background{ background-color: rgb(99, 109,  
95) }
```

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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