

Converting Colors

XYZ(12.4571, 14.1386, 13.1388)

Have a look what the booklet for
XYZ(12.4571, 14.1386, 13.1388)
contains.

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Color

**XYZ(12.5109, 14.1663,
13.1413)**

Conversions

Conversions Part 1

Format	Color
Hex	626C60
RGB	98, 108, 96
RGB Percent	38%, 42%, 38%
CMY	0.6157, 0.5765, 0.6235
CMYK	0.09, 0.00, 0.11, 0.58
HSL	110°, 6%, 40%
HSV	110°, 11%, 42%
XYZ	12.5109, 14.1663, 13.1413
YIQ	103.6420, -2.1080, -5.8520

Conversions

Conversions Part 2

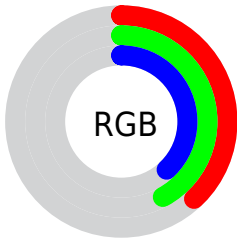
Format	Color
R_YB	96, 108, 106
Decimal	6450272
CIE Lab	44.47, -6.31, 5.42
CIE LCh	44, 8.316, 139.310
Yxy	14.1663, 0.3142, 0.3558
Android (android.graphics.Color)	4284640352 (0xFF626C60)
YUV	103.6420, -3.7675, -4.9480
Hunter-Lab	37.6381, -6.5334, 5.6457

Details

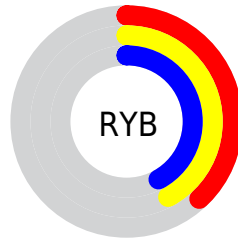
The XYZ color **12.5109, 14.1663, 13.1413** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.8340, 12.5130, 15.9269**, and the grayscale version is **13.0730, 13.7538, 14.9779**.

A 20% lighter version of the original color is **29.9809, 33.2612, 32.0340**, and **3.6606, 4.2978, 3.6542** is the 20% darker color. If you saturate the color by 10%, you get **11.1304, 13.5086, 10.6570**, and if you desaturate by 10%, it is **14.0698, 14.9089, 15.9913**.

Distribution



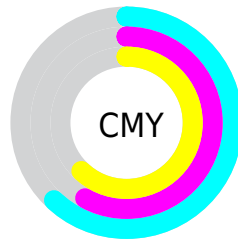
- Red (38%)
- Green (42%)
- Blue (38%)



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



- Cyan (9%)
- Magenta (0%)
- Yellow (11%)
- Black (58%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5109, 14.1663, 13.1413 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 12.5109, 14.1663, 13.1413 by changing the saturation by 10% instead.

■ 12.5109, 14.1663,
13.1413

■ 12.5109, 14.1663,
13.1413

201.4605,
218.2629, 223.0608

■ 7.1673, 8.2364,
7.3940

■ 30.0311, 33.3838,
32.2523

■ 3.6142, 4.2466,
3.6276

■ 42.9384, 47.4402,
46.4531

■ 1.4863, 1.8124,
1.4233

■ 59.0976, 64.9743,
64.3089

■ 0.3165, 0.4949,
0.1598

■ 78.8742, 86.3704,
86.2382

■ 0.0000, 0.0000,
0.0000

102.6334,
112.0129, 112.6594

130.7406,

142.2862, 143.9913

163.5612,
177.5748, 180.6522

■ 12.5109, 14.1663,
13.1413

■ 12.5109, 14.1663,
13.1413

■ 11.1304, 13.5086,
10.6570

■ 14.0698, 14.9089,
15.9913

■ 9.9207, 12.9310,
8.5226

■ 15.8119, 15.7373,
19.2198

■ 8.8754, 12.4309,
6.7227

■ 17.7433, 16.6549,
22.8405

■ 7.9874, 12.0050,
5.2403

■ 19.8697, 17.6641,
26.8658

■ 7.2489, 11.6497,
4.0570

■ 22.1962, 18.7676,
31.3077

■ 6.6514, 11.3611,
3.1525

■ 24.7279, 19.9676,
36.1777

■ 6.1858, 11.1349,
2.5038

■ 27.4697, 21.2664,
41.4869

■ 5.8414, 10.9663,
2.0845

■ 30.4264, 22.6662,
47.2459

■ 5.6123, 10.8542,
1.7993

■ 33.6025, 24.1691,
53.4650

Harmonies

Analogous

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



13.0430, 14.1663, 12.1970



12.5109, 14.1663, 13.1413



12.2375, 14.1663, 14.7501

Triad

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



12.5109, 14.1663, 13.1413



13.2270, 14.1663, 19.3432



14.7179, 14.1663, 14.2361

Complementary

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



12.5109, 14.1663, 13.1413



12.8340, 12.5130, 15.9269

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.



14.7711, 14.1663, 16.1195



12.5109, 14.1663, 13.1413



13.8953, 14.1663, 19.1767

Square

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



12.5109, 14.1663, 13.1413



12.6418, 14.1663, 18.3960



14.4657, 14.1663, 17.9584



14.3225, 14.1663, 12.7919

Rectangle

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



12.5109, 14.1663, 13.1413



12.2325, 14.1663, 16.0295



14.4657, 14.1663, 17.9584



14.7769, 14.1663, 14.8353

Sweetspot

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



12.5113, 14.1669, 13.1416



24.1362, 25.9048, 27.0364



13.4503, 14.3414, 13.1258



5.7945, 6.2475, 6.4568



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.



12.5113, 14.1669, 13.1416



21.3942, 24.5991, 22.0385



12.4871, 14.1326, 14.1267



3.1067, 3.4668, 3.3229



6.6757, 12.9366, 2.1452



33.4983, 65.6511, 10.9064

Inverse Universe

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



12.8340, 12.5130, 15.9269



22.0650, 21.1605, 27.8291



12.8664, 12.5537, 14.8422



3.1705, 3.1397, 3.8738



8.2388, 3.8743, 17.2358



41.3535, 19.4181, 87.7947

Previews

White Background



This preview shows how the XYZ color 12.5109, 14.1663, 13.1413 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 12.5109, 14.1663, 13.1413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

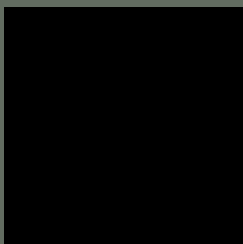
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

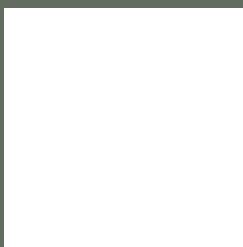
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.5109, 14.1663, 13.1413

Background



This preview shows how black text looks on a background with the XYZ color 12.5109, 14.1663, 13.1413.

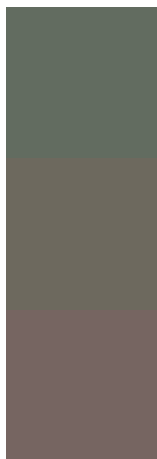


This preview shows how white text looks on a background with the XYZ color 12.5109, 14.1663,

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

12.5109, 14.1663, 13.1413

Protanopia

13.3786, 14.1625, 12.6182

Deuteranopia

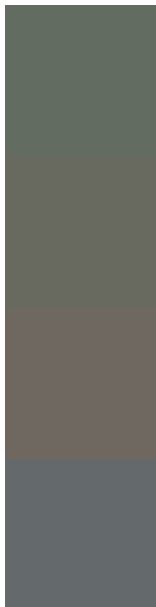
14.2826, 14.0220, 13.2630



Tritanopia

13.4557, 14.0848, 17.9290

Trichromacy



Original Color

12.5109, 14.1663, 13.1413

Protanomaly

13.0453, 14.1375, 12.8677

Deuteranomaly

13.6635, 14.1432, 13.3190

Tritanomaly

13.0634, 14.0789, 15.9389

Monochromacy



Original Color

12.5109, 14.1663, 13.1413

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8800, 13.8675, 14.3098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5109, 14.1663, 13.1413 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(98, 108, 96) looks like.

```
.text, #text, p{  
    color:rgb(98, 108, 96)  
}
```

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(98, 108, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 108, 96) }
```

Border

The CSS property to change the border of an element to XYZ 12.5109, 14.1663, 13.1413 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(98, 108, 96) }
```


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

```
.border{ border-color:rgb(98, 108, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 108, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 108, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 108, 96);  
box-shadow:4px 4px 4px 4px rgb(98, 108,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5109, 14.1663, 13.1413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 108, 96) }
```

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

```
.background{ background-color: rgb(98, 108,  
96) }
```

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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