

Converting Colors

XYZ(12.5294, 14.1645, 13.6954)

Have a look what the booklet for
XYZ(12.5294, 14.1645, 13.6954)
contains.

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Color

**XYZ(12.4969, 14.1484,
13.6275)**

Conversions

Conversions Part 1

Format	Color
Hex	616C62
RGB	97, 108, 98
RGB Percent	38%, 42%, 38%
CMY	0.6196, 0.5765, 0.6157
CMYK	0.10, 0.00, 0.09, 0.58
HSL	125°, 5%, 40%
HSV	125°, 10%, 42%
XYZ	12.4969, 14.1484, 13.6275
YIQ	103.5710, -3.3460, -5.4420

Conversions

Conversions Part 2

Format	Color
R_{YB}	97, 107, 108
Decimal	6384738
CIE Lab	44.45, -6.29, 4.17
CIE LCh	44, 7.549, 146.437
Yxy	14.1484, 0.3103, 0.3513
Android (android.graphics.Color)	4284574818 (0xFF616C62)
YUV	103.5710, -2.7465, -5.7628
Hunter-Lab	37.6144, -6.5207, 4.8496

Details

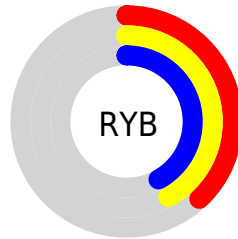
The XYZ color **12.4969, 14.1484, 13.6275** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1134, 12.7993, 15.6899**, and the grayscale version is **13.0517, 13.7314, 14.9534**.

A 20% lighter version of the original color is **30.0357, 33.2621, 33.2709**, and **3.6538, 4.2892, 3.8841** is the 20% darker color. If you saturate the color by 10%, you get **10.9881, 13.4213, 11.2837**, and if you desaturate by 10%, it is **14.2201, 14.9803, 16.2788**.

Distribution



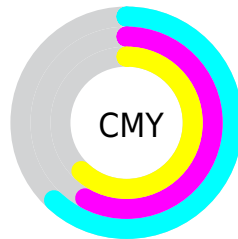
- Red (38%)
- Green (42%)
- Blue (38%)



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



- Cyan (10%)
- Magenta (0%)
- Yellow (9%)
- Black (58%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4969, 14.1484, 13.6275 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 12.4969, 14.1484, 13.6275 by changing the saturation by 10% instead.

■ 12.4969, 14.1484,
13.6275

■ 12.4969, 14.1484,
13.6275

201.3712,
218.1521, 226.2483

■ 7.1576, 8.2240,
7.7263

■ 30.0060, 33.3521,
33.1342

■ 3.6081, 4.2386,
3.8350

■ 42.9065, 47.4002,
47.5767

■ 1.4829, 1.8079,
1.5353

■ 59.0582, 64.9249,
65.7034

■ 0.3142, 0.4921,
0.2440

■ 78.8264, 86.3106,
87.9328

■ 0.0000, 0.0000,
0.0000

102.5764,
111.9418, 114.6834

130.6737,

142.2029, 146.3739

163.4835,
177.4782, 183.4226

■ 12.4969, 14.1484,
13.6275

■ 12.4969, 14.1484,
13.6275

■ 10.9881, 13.4213,
11.2837

■ 14.2201, 14.9803,
16.2788

■ 9.6841, 12.7931,
9.2354

■ 16.1644, 15.9189,
19.2473

■ 8.5766, 12.2600,
7.4711

■ 18.3377, 16.9685,
22.5432

■ 7.6558, 11.8174,
5.9783

■ 20.7470, 18.1327,
26.1762

■ 6.9116, 11.4603,
4.7436

■ 23.3993, 19.4147,
30.1554

■ 6.3325, 11.1831,
3.7523

■ 26.3010, 20.8176,
34.4896

■ 5.9058, 10.9796,
2.9883

■ 29.4585, 22.3446,
39.1874

■ 5.6171, 10.8428,
2.4335

■ 32.8777, 23.9987,
44.2571

■ 5.4167, 10.7473,
2.0710

■ 36.5647, 25.7826,
49.7065

Harmonies

Analogous

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



12.9339, 14.1484, 12.5978



12.4969, 14.1484, 13.6275



12.3144, 14.1484, 15.1981

Triad

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



12.4969, 14.1484, 13.6275



13.3751, 14.1484, 18.9939



14.5217, 14.1484, 13.9623

Complementary

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



12.4969, 14.1484, 13.6275



13.1134, 12.7993, 15.6899

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.



14.6484, 14.1484, 15.6142



12.4969, 14.1484, 13.6275



13.9748, 14.1484, 18.6015

Square

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



12.4969, 14.1484, 13.6275



12.8117, 14.1484, 18.3666



14.4454, 14.1484, 17.3311



14.1043, 14.1484, 12.7806

Rectangle

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



12.4969, 14.1484, 13.6275



12.3573, 14.1484, 16.3720



14.4454, 14.1484, 17.3311



14.6003, 14.1484, 14.4772

Sweetspot

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



12.4973, 14.1490, 13.6278



24.0491, 25.8568, 27.1746



13.5943, 14.7200, 13.4340



5.7689, 6.2334, 6.4974



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.



12.4973, 14.1490, 13.6278



21.3418, 24.5507, 22.9994



12.7619, 14.2548, 15.0212



3.0741, 3.4488, 3.3743



6.4548, 12.8160, 2.4402



32.7393, 65.2428, 11.6400

Inverse Universe

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



13.1134, 12.7993, 15.6899



22.6323, 21.7234, 27.3189



12.8371, 12.6888, 14.2352



3.2063, 3.1594, 3.8166



10.0110, 4.8565, 14.2184



50.8433, 24.6793, 71.5687

Previews

White Background



This preview shows how the XYZ color 12.4969, 14.1484, 13.6275 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 12.4969, 14.1484, 13.6275 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

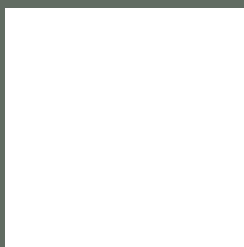
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4969, 14.1484, 13.6275

Background



This preview shows how black text looks on a background with the XYZ color 12.4969, 14.1484, 13.6275.

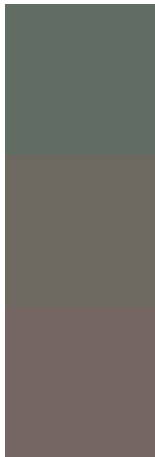


This preview shows how white text looks on a background with the XYZ color 12.4969, 14.1484,

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

12.4969, 14.1484, 13.6275

Protanopia

13.4696, 14.1989, 13.0971

Deuteranopia

14.2419, 13.9901, 13.7541



Tritanopia

13.4468, 14.2323, 17.9580

Trichromacy



Original Color

12.4969, 14.1484, 13.6275

Protanomaly

13.1374, 14.1744, 13.3528

Deuteranomaly

13.6329, 14.1165, 13.8106

Tritanomaly

13.1101, 14.2507, 16.2471

Monochromacy



Original Color

12.4969, 14.1484, 13.6275

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8167, 13.8292, 14.5642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4969, 14.1484, 13.6275 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, 108, 98) looks like.

```
.text, #text, p{  
    color:rgb(97, 108, 98)  
}
```

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, 108, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 108, 98) }
```

Border

The CSS property to change the border of an element to XYZ 12.4969, 14.1484, 13.6275 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, 108, 98) }
```


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

```
.border{ border-color:rgb(97, 108, 98) }
```

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

Here you see how a box with a 4 pixel rgb(97, 108, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 108, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 108, 98);  
box-shadow:4px 4px 4px 4px rgb(97, 108,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4969, 14.1484, 13.6275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 108, 98) }
```

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

```
.background{ background-color: rgb(97, 108,  
98) }
```

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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