

Converting Colors

XYZ(12.6868, 14.1736, 9.8517)

Have a look what the booklet for
XYZ(12.6868, 14.1736, 9.8517)
contains.

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Color

**XYZ(12.6868, 14.1736,
9.8517)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6B51
RGB	106, 107, 81
RGB Percent	42%, 42%, 32%
CMY	0.5843, 0.5804, 0.6823
CMYK	0.01, 0.00, 0.24, 0.58
HSL	62°, 14%, 37%
HSV	62°, 24%, 42%
XYZ	12.6868, 14.1736, 9.8517
YIQ	103.7370, 7.7500, -8.2980

Conversions

Conversions Part 2

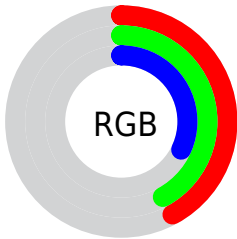
Format	Color
R_{YB}	81, 107, 82
Decimal	6974289
CIE Lab	44.48, -5.16, 14.49
CIE LCh	44, 15.383, 109.614
Yxy	14.1736, 0.3456, 0.3861
Android (android.graphics.Color)	4285164369 (0xFF6A6B51)
YUV	103.7370, -11.2093, 1.9847
Hunter-Lab	37.6478, -5.7317, 10.8385

Details

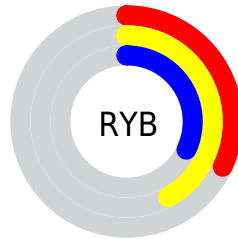
The XYZ color **12.6868, 14.1736, 9.8517** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.0764, 8.7406, 15.1193**, and the grayscale version is **13.1157, 13.7987, 15.0268**.

A 20% lighter version of the original color is **30.3567, 33.3345, 25.9533**, and **3.6792, 4.2586, 2.2971** is the 20% darker color. If you saturate the color by 10%, you get **12.2681, 14.0009, 7.9001**, and if you desaturate by 10%, it is **13.1698, 14.3729, 12.1370**.

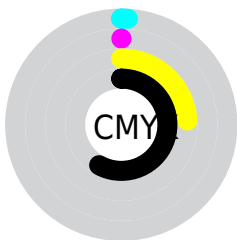
Distribution



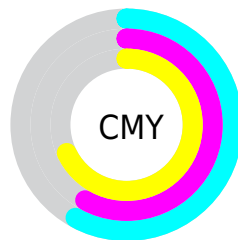
- Red (42%)
- Green (42%)
- Blue (32%)



- Red (32%)
- Yellow (42%)
- Blue (32%)



- Cyan (1%)
- Magenta (0%)
- Yellow (24%)
- Black (58%)



- Cyan (58%)
- Magenta (58%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6868, 14.1736, 9.8517 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 12.6868, 14.1736, 9.8517 by changing the saturation by 10% instead.

■ 12.6868, 14.1736,
9.8517

■ 12.6868, 14.1736,
9.8517

202.5790,
218.3081, 200.0565

■ 7.2887, 8.2415,
5.1964

■ 30.3461, 33.3967,
26.1196

■ 3.6913, 4.2499,
2.3022

■ 43.3380, 47.4566,
38.5694

■ 1.5290, 1.8143,
0.7325

■ 59.5919, 64.9944,
54.4543

■ 0.3454, 0.4961,
0.0000

■ 79.4732, 86.3947,
74.1931

■ 0.0000, 0.0000,
0.0000

■ 103.3472,
112.0419, 98.2041

131.5792,

142.3202, 126.9060

164.5347,
177.6142, 160.7173

■ 12.6868, 14.1736,
9.8517

■ 12.6868, 14.1736,
9.8517

■ 12.2681, 14.0009,
7.9001

■ 13.1698, 14.3729,
12.1370

■ 11.9095, 13.8519,
6.2658

■ 13.7186, 14.5982,
14.7697

■ 11.6083, 13.7258,
4.9322

■ 14.3363, 14.8510,
17.7638

■ 11.3610, 13.6213,
3.8811

■ 15.0253, 15.1323,
21.1321

■ 11.1636, 13.5369,
3.0920

■ 15.7880, 15.4432,
24.8871

■ 11.0119, 13.4706,
2.5418

■ 16.6265, 15.7844,
29.0404

■ 10.8982, 13.4197,
2.1910

■ 17.5431, 16.1569,
33.6033

■ 10.8378, 13.3924,
2.0138

■ 18.5398, 16.5614,
38.5866

■ 19.6184, 16.9988,
44.0007

Harmonies

Analogous

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



13.9061, 14.1736, 9.6423



12.6868, 14.1736, 9.8517



11.7355, 14.1736, 11.4169

Triad

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



12.6868, 14.1736, 9.8517



11.9847, 14.1736, 21.2414



15.9561, 14.1736, 16.6969

Complementary

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



12.6868, 14.1736, 9.8517



9.0764, 8.7406, 15.1193

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.



15.3709, 14.1736, 20.2944



12.6868, 14.1736, 9.8517



13.0462, 14.1736, 23.1725

Square

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



12.6868, 14.1736, 9.8517



11.3477, 14.1736, 17.8407



14.2881, 14.1736, 22.8016



15.8452, 14.1736, 13.2516

Rectangle

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



12.6868, 14.1736, 9.8517



11.3575, 14.1736, 13.1737



14.2881, 14.1736, 22.8016



15.8329, 14.1736, 17.9361

Sweetspot

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



12.6872, 14.1742, 9.8520



24.2667, 26.0170, 25.0144



10.5563, 9.7347, 9.1074



5.8647, 6.2936, 6.0118



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.



12.6872, 14.1742, 9.8520



22.2892, 25.2030, 15.6396



11.2711, 13.4442, 9.7857



3.3222, 3.5779, 3.3330



13.1783, 16.2889, 2.4495



66.9756, 82.9093, 12.4731

Inverse Universe

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



9.0764, 8.7406, 15.1193



14.6518, 13.7094, 26.7816



10.3021, 9.3725, 15.1767



2.9582, 3.0302, 3.8638



3.2851, 1.3206, 17.0040



16.5689, 6.6412, 86.6348

Previews

White Background



This preview shows how the XYZ color 12.6868, 14.1736, 9.8517 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 12.6868, 14.1736, 9.8517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

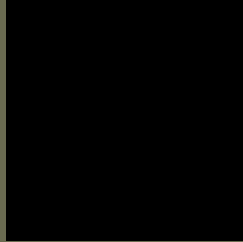
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

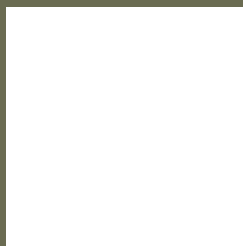
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6868, 14.1736, 9.8517

Background



This preview shows how black text looks on a background with the XYZ color 12.6868, 14.1736, 9.8517.



This preview shows how white text looks on a background with the XYZ color 12.6868, 14.1736,

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

12.6868, 14.1736, 9.8517

Protanopia

13.1816, 14.1271, 9.6215

Deuteranopia

14.3450, 14.1275, 9.9535



Tritanopia

14.1499, 14.1632, 17.0269

Trichromacy



Original Color

12.6868, 14.1736, 9.8517

Protanomaly

13.0324, 14.2023, 9.6438

Deuteranomaly

13.7094, 14.0916, 9.9800

Tritanomaly

13.5572, 14.0719, 14.0582

Monochromacy



Original Color

12.6868, 14.1736, 9.8517

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9886, 13.9509, 13.0746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6868, 14.1736, 9.8517 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(106, 107, 81)` looks like.

```
.text, #text, p{  
    color:rgb(106, 107, 81)  
}
```

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(106, 107, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 107, 81) }
```

Border

The CSS property to change the border of an element to XYZ 12.6868, 14.1736, 9.8517 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(106, 107, 81) }
```


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

```
.border{ border-color:rgb(106, 107, 81) }
```

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

Here you see how a box with a 4 pixel rgb(106, 107, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 107, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 107, 81);  
box-shadow:4px 4px 4px 4px rgb(106, 107,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6868, 14.1736, 9.8517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 107, 81) }
```

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

```
.background{ background-color: rgb(106,  
107, 81) }
```

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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