

Converting Colors

XYZ(12.4048, 14.1174, 12.3138)

Have a look what the booklet for
XYZ(12.4048, 14.1174, 12.3138)
contains.

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Color

**XYZ(12.4839, 14.1681,
12.4327)**

Conversions

Conversions Part 1

Format	Color
Hex	636C5D
RGB	99, 108, 93
RGB Percent	39%, 42%, 36%
CMY	0.6118, 0.5765, 0.6353
CMYK	0.08, 0.00, 0.14, 0.58
HSL	96°, 7%, 39%
HSV	96°, 14%, 42%
XYZ	12.4839, 14.1681, 12.4327
YIQ	103.5990, -0.5490, -6.5730

Conversions

Conversions Part 2

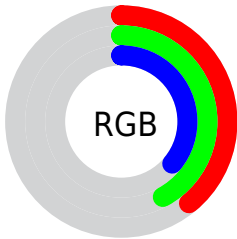
Format	Color
R_{YB}	93, 108, 102
Decimal	6515805
CIE Lab	44.47, -6.50, 7.24
CIE LCh	44, 9.726, 131.933
Yxy	14.1681, 0.3194, 0.3625
Android (android.graphics.Color)	4284705885 (0xFF636C5D)
YUV	103.5990, -5.2253, -4.0333
Hunter-Lab	37.6405, -6.6694, 6.7648

Details

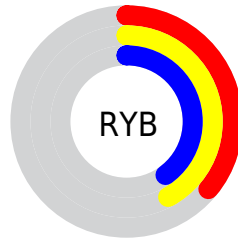
The XYZ color **12.4839, 14.1681, 12.4327** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.1013, 11.7367, 15.8158**, and the grayscale version is **13.0650, 13.7453, 14.9687**.

A 20% lighter version of the original color is **29.9337, 33.2635, 30.8294**, and **3.5980, 4.2728, 3.3244** is the 20% darker color. If you saturate the color by 10%, you get **11.3591, 13.6401, 10.0569**, and if you desaturate by 10%, it is **13.7339, 14.7537, 15.1677**.

Distribution



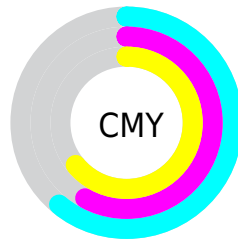
- Red (39%)
- Green (42%)
- Blue (36%)



- Red (36%)
- Yellow (42%)
- Blue (40%)



- Cyan (8%)
- Magenta (0%)
- Yellow (14%)
- Black (58%)



- Cyan (61%)
- Magenta (58%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4839, 14.1681, 12.4327 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 12.4839, 14.1681, 12.4327 by changing the saturation by 10% instead.

■ 12.4839, 14.1681,
12.4327

■ 12.4839, 14.1681,
12.4327

201.2882,
218.2741, 218.3278

■ 7.1487, 8.2377,
6.9130

■ 29.9827, 33.3870,
30.9569

■ 3.6024, 4.2474,
3.3301

■ 42.8770, 47.4443,
44.7984

■ 1.4798, 1.8129,
1.2656

■ 59.0216, 64.9793,
62.2509

■ 0.3120, 0.4952,
0.0333

■ 78.7820, 86.3764,
83.7330

■ 0.0000, 0.0000,
0.0000

102.5235,
112.0200, 109.6632

130.6115,

142.2946, 140.4601

163.4113,
177.5845, 176.5421

■ 12.4839, 14.1681,
12.4327

■ 12.4839, 14.1681,
12.4327

■ 11.3591, 13.6401,
10.0569

■ 13.7339, 14.7537,
15.1677

■ 10.3543, 13.1660,
8.0244

■ 15.1119, 15.3967,
18.2751

■ 9.4653, 12.7446,
6.3197

■ 16.6220, 16.0994,
21.7683

■ 8.6876, 12.3737,
4.9255

■ 18.2678, 16.8635,
25.6601

■ 8.0160, 12.0512,
3.8230

■ 20.0528, 17.6903,
29.9624

■ 7.4451, 11.7747,
2.9915

■ 21.9803, 18.5814,
34.6869

■ 6.9687, 11.5415,
2.4073

■ 24.0534, 19.5381,
39.8445

■ 6.5782, 11.3481,
2.0332

■ 26.2754, 20.5619,
45.4460

■ 6.3670, 11.2434,
1.8346

■ 28.6491, 21.6540,
51.5016

Harmonies

Analogous

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



13.1571, 14.1681, 11.5765



12.4839, 14.1681, 12.4327



12.0835, 14.1681, 14.1261

Triad

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



12.4839, 14.1681, 12.4327



13.0042, 14.1681, 19.9057



14.9957, 14.1681, 14.5511

Complementary

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



12.4839, 14.1681, 12.4327



12.1013, 11.7367, 15.8158

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.



14.9509, 14.1681, 16.8046



12.4839, 14.1681, 12.4327



13.7805, 14.1681, 20.0478

Square

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



12.4839, 14.1681, 12.4327



12.3758, 14.1681, 18.4953



14.4990, 14.1681, 18.8664



14.6192, 14.1681, 12.7177

Rectangle

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



12.4839, 14.1681, 12.4327



12.0153, 14.1681, 15.5727



14.4990, 14.1681, 18.8664



15.0298, 14.1681, 15.2815

Sweetspot

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



12.4843, 14.1687, 12.4330



24.0599, 25.8770, 26.5157



12.9121, 13.4818, 12.2779



5.7895, 6.2475, 6.3424



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.



12.4843, 14.1687, 12.4330



21.1864, 24.5310, 20.2659



11.9201, 13.8701, 12.7569



3.1679, 3.4983, 3.3257



7.5643, 13.3947, 2.1868



37.6172, 67.7745, 11.0992

Inverse Universe

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



12.1013, 11.7367, 15.8158



20.3607, 19.2884, 27.5576



12.7269, 12.0683, 15.4318



3.1062, 3.1065, 3.8708



5.7829, 2.6082, 17.1209



28.4672, 12.7750, 87.1916

Previews

White Background



This preview shows how the XYZ color 12.4839, 14.1681, 12.4327 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 12.4839, 14.1681, 12.4327 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

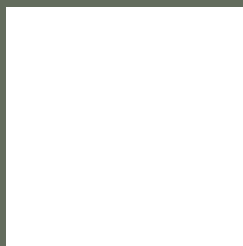
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4839, 14.1681, 12.4327

Background



This preview shows how black text looks on a background with the XYZ color 12.4839, 14.1681, 12.4327.

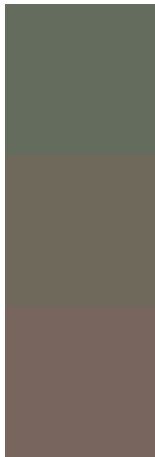


This preview shows how white text looks on a background with the XYZ color 12.4839, 14.1681,

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

12.4839, 14.1681, 12.4327

Protanopia

13.3703, 14.1735, 11.9286

Deuteranopia

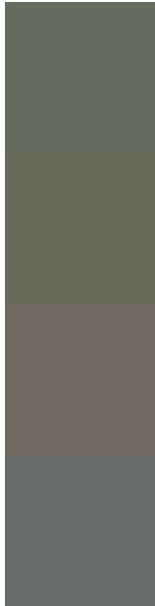
14.2818, 14.0375, 12.5464



Tritanopia

13.5117, 14.1202, 17.6361

Trichromacy



Original Color

12.4839, 14.1681, 12.4327

Protanomaly

13.0297, 14.1449, 12.1687

Deuteranomaly

13.6528, 14.1535, 12.6020

Tritanomaly

13.1224, 14.1154, 15.6686

Monochromacy



Original Color

12.4839, 14.1681, 12.4327

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8313, 13.8480, 14.0532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4839, 14.1681, 12.4327 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, 108, 93) looks like.

```
.text, #text, p{  
    color:rgb(99, 108, 93)  
}
```

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, 108, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 108, 93) }
```

Border

The CSS property to change the border of an element to XYZ 12.4839, 14.1681, 12.4327 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, 108, 93) }
```


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

```
.border{ border-color:rgb(99, 108, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 108, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 108, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 108, 93);  
box-shadow:4px 4px 4px 4px rgb(99, 108,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4839, 14.1681, 12.4327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 108, 93) }
```

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

```
.background{ background-color: rgb(99, 108,  
93) }
```

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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