

Converting Colors

XYZ(12.3870, 14.3403, 14.2420)

Have a look what the booklet for
XYZ(12.3870, 14.3403, 14.2420)
contains.

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Color

**XYZ(12.3904, 14.3991,
14.1829)**

Conversions

Conversions Part 1

Format	Color
Hex	5D6E64
RGB	93, 110, 100
RGB Percent	36%, 43%, 39%
CMY	0.6353, 0.5686, 0.6078
CMYK	0.15, 0.00, 0.09, 0.57
HSL	145°, 8%, 40%
HSV	145°, 15%, 43%
XYZ	12.3904, 14.3991, 14.1829
YIQ	103.7770, -6.9220, -6.7140

Conversions

Conversions Part 2

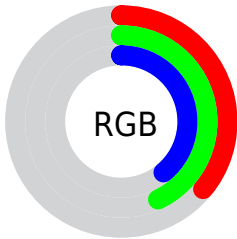
Format	Color
R_{YB}	93, 105, 110
Decimal	6123108
CIE Lab	44.80, -8.54, 3.44
CIE LCh	45, 9.213, 158.045
Yxy	14.3991, 0.3024, 0.3514
Android (android.graphics.Color)	4284313188 (0xFF5D6E64)
YUV	103.7770, -1.8621, -9.4514
Hunter-Lab	37.9461, -8.1209, 4.4018

Details

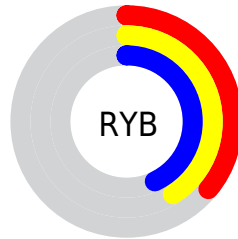
The XYZ color **12.3904, 14.3991, 14.1829** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.7935, 12.1234, 14.4984**, and the grayscale version is **13.1050, 13.7874, 15.0145**.

A 20% lighter version of the original color is **29.8339, 33.9147, 34.2519**, and **3.5375, 4.3066, 4.0130** is the 20% darker color. If you saturate the color by 10%, you get **11.0553, 13.7460, 12.5500**, and if you desaturate by 10%, it is **13.9114, 15.1460, 15.9550**.

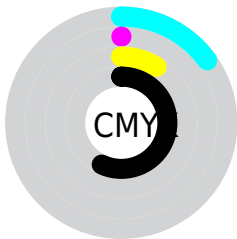
Distribution



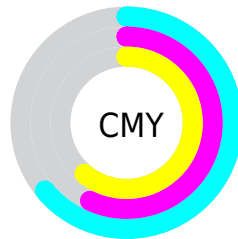
- Red (36%)
- Green (43%)
- Blue (39%)



- Red (36%)
- Yellow (41%)
- Blue (43%)



- Cyan (15%)
- Magenta (0%)
- Yellow (9%)
- Black (57%)



- Cyan (64%)
- Magenta (57%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3904, 14.3991, 14.1829 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 12.3904, 14.3991, 14.1829 by changing the saturation by 10% instead.

■ 12.3904, 14.3991,
14.1829

■ 12.3904, 14.3991,
14.1829

200.6906,
219.6997, 229.8336

■ 7.0842, 8.3988,
8.1078

■ 29.8149, 33.7955,
34.1350

■ 3.5616, 4.3512,
4.0752

■ 42.6639, 47.9604,
48.8490

■ 1.4573, 1.8719,
1.6667

■ 58.7580, 65.6155,
67.2798

■ 0.2965, 0.5314,
0.3378

■ 78.4624, 87.1454,
89.8459

■ 0.0000, 0.0000,
0.0000

102.1424,
112.9344, 116.9657

130.1636,

143.3668, 149.0579

162.8912,
178.8271, 186.5410

■ 12.3904, 14.3991,
14.1829

■ 12.3904, 14.3991,
14.1829

■ 11.0553, 13.7460,
12.5500

■ 13.9114, 15.1460,
15.9550

■ 9.8975, 13.1811,
11.0520

■ 15.6241, 15.9883,
17.8686

■ 8.9095, 12.7010,
9.6857

■ 17.5354, 16.9300,
19.9271

■ 8.0828, 12.3013,
8.4476

■ 19.6516, 17.9743,
22.1336

■ 7.4081, 11.9775,
7.3337

■ 21.9786, 19.1242,
24.4909

■ 6.8752, 11.7242,
6.3402

■ 24.5224, 20.3826,
27.0019

■ 6.4724, 11.5355,
5.4627

■ 27.2882, 21.7523,
29.6693

■ 6.1771, 11.4000,
4.6964

■ 30.2816, 23.2360,
32.4960

■ 6.0555, 11.3441,
4.3826

■ 33.5075, 24.8362,
35.4844

Harmonies

Analogous

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



12.8155, 14.3991, 12.6429



12.3904, 14.3991, 14.1829



12.3059, 14.3991, 16.2638

Triad

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



12.3904, 14.3991, 14.1829



13.8889, 14.3991, 20.1377



14.8544, 14.3991, 13.2662

Complementary

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



12.3904, 14.3991, 14.1829



12.7935, 12.1234, 14.4984

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.



15.1654, 14.3991, 15.1068



12.3904, 14.3991, 14.1829



14.5948, 14.3991, 19.1641

Square

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



12.3904, 14.3991, 14.1829



13.1533, 14.3991, 19.8331



15.0687, 14.3991, 17.2750



14.2327, 14.3991, 12.1483

Rectangle

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



12.3904, 14.3991, 14.1829



12.4511, 14.3991, 17.7031



15.0687, 14.3991, 17.2750



14.9997, 14.3991, 13.8139

Sweetspot

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



12.3908, 14.3997, 14.1832



24.5217, 26.6431, 28.1233



13.1687, 14.8382, 12.5262



5.6719, 6.1831, 6.5052



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.



12.3908, 14.3997, 14.1832



20.7711, 24.8033, 23.7165



12.8134, 14.5687, 16.4086



3.3967, 3.7839, 3.8954



7.2602, 13.6216, 5.1907



35.7583, 67.6920, 23.7105

Inverse Universe

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



12.7935, 12.1234, 14.4984



21.6398, 19.8920, 24.3959



12.3971, 11.9648, 12.4114



3.4591, 3.4313, 3.9443



8.8464, 4.4309, 6.2671



43.6314, 21.8979, 28.9210

Previews

White Background



This preview shows how the XYZ color 12.3904, 14.3991, 14.1829 looks on a white background.

Color Contrast Check

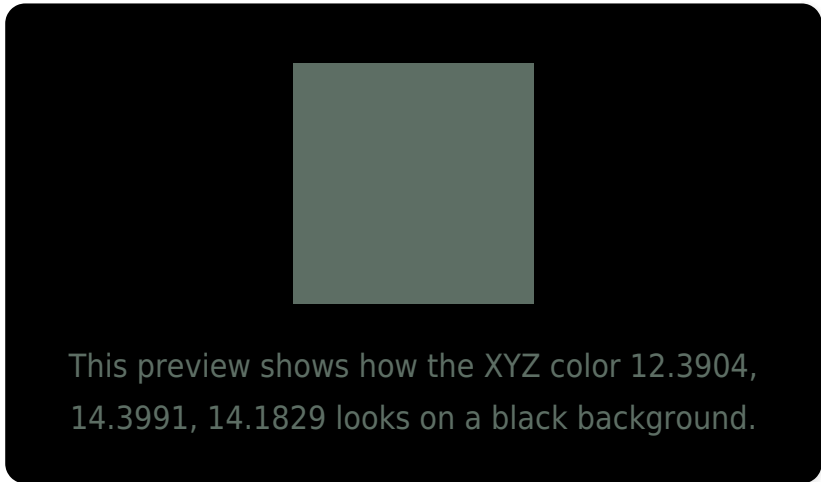
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

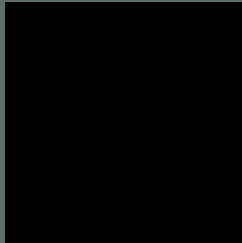
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

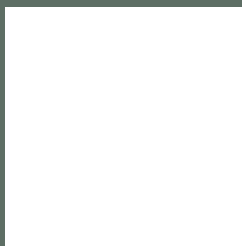
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.3904, 14.3991, 14.1829

Background



This preview shows how black text looks on a background with the XYZ color 12.3904, 14.3991, 14.1829.

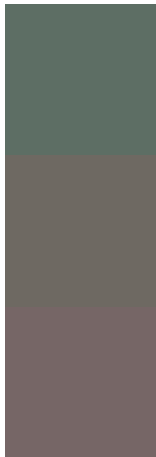


This preview shows how white text looks on a background with the XYZ color 12.3904, 14.3991,

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

12.3904, 14.3991, 14.1829

Protanopia

13.6866, 14.3000, 13.5941

Deuteranopia

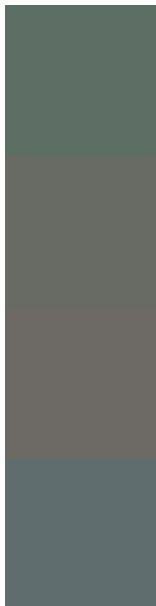
14.6209, 14.3136, 14.5626



Tritanopia

13.3388, 14.4729, 18.6135

Trichromacy



Original Color

12.3904, 14.3991, 14.1829

Protanomaly

13.2187, 14.3593, 13.8793

Deuteranomaly

13.7072, 14.2939, 14.3485

Tritanomaly

13.0024, 14.4960, 16.8646

Monochromacy



Original Color

12.3904, 14.3991, 14.1829

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8577, 13.9967, 14.8559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3904, 14.3991, 14.1829 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(93, 110, 100) looks like.

```
.text, #text, p{  
    color:rgb(93, 110, 100)  
}
```

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(93, 110, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 110, 100) }
```

Border

The CSS property to change the border of an element to XYZ 12.3904, 14.3991, 14.1829 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(93, 110, 100) }
```


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

```
.border{ border-color:rgb(93, 110, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 110, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 110, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 110, 100);  
box-shadow:4px 4px 4px 4px rgb(93, 110,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3904, 14.3991, 14.1829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 110, 100) }
```

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

```
.background{ background-color: rgb(93, 110,  
100) }
```

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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