

Converting Colors

XYZ(12.4499, 13.9710, 14.1839)

Have a look what the booklet for
XYZ(12.4499, 13.9710, 14.1839)
contains.

XYZ(12.3818, 13.9223, 14.0913)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.3818, 13.9223,
14.0913)**

Conversions

Conversions Part 1

Format	Color
Hex	606B64
RGB	96, 107, 100
RGB Percent	38%, 42%, 39%
CMY	0.6235, 0.5804, 0.6078
CMYK	0.10, 0.00, 0.07, 0.58
HSL	142°, 5%, 40%
HSV	142°, 10%, 42%
XYZ	12.3818, 13.9223, 14.0913
YIQ	102.9130, -4.3090, -4.5090

Conversions

Conversions Part 2

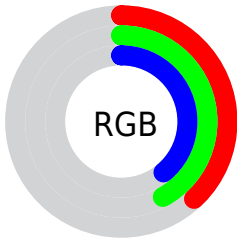
Format	Color
R _Y B	96, 104, 107
Decimal	6318948
CIE Lab	44.12, -5.68, 2.49
CIE LCh	44, 6.201, 156.295
Yxy	13.9223, 0.3065, 0.3447
Android (android.graphics.Color)	4284509028 (0xFF606B64)
YUV	102.9130, -1.4361, -6.0627
Hunter-Lab	37.3126, -6.0637, 3.7276

Details

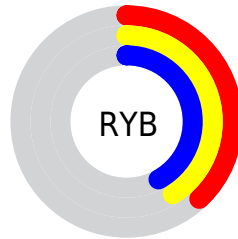
The XYZ color **12.3818, 13.9223, 14.0913** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6949, 12.4711, 14.5706**, and the grayscale version is **12.8739, 13.5444, 14.7498**.

A 20% lighter version of the original color is **29.8454, 32.8911, 34.0538**, and **3.5739, 4.1669, 3.9841** is the 20% darker color. If you saturate the color by 10%, you get **11.0159, 13.2550, 12.3783**, and if you desaturate by 10%, it is **13.9293, 14.6808, 15.9572**.

Distribution



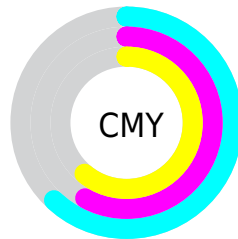
- Red (38%)
- Green (42%)
- Blue (39%)



- Red (38%)
- Yellow (41%)
- Blue (42%)



- Cyan (10%)
- Magenta (0%)
- Yellow (7%)
- Black (58%)



- Cyan (62%)
- Magenta (58%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3818, 13.9223, 14.0913 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 12.3818, 13.9223, 14.0913 by changing the saturation by 10% instead.

■ 12.3818, 13.9223,
14.0913

■ 12.3818, 13.9223,
14.0913

200.6355,
216.7469, 229.2462

■ 7.0783, 8.0666,
8.0447

■ 29.7995, 32.9511,
33.9704

■ 3.5579, 4.1376,
4.0354

■ 42.6443, 46.8930,
48.6400

■ 1.4552, 1.7508,
1.6448

■ 58.7337, 64.2992,
67.0210

■ 0.2950, 0.4563,
0.3225

■ 78.4329, 85.5539,
89.5320

■ 0.0000, 0.0000,
0.0000

102.1074,
111.0417, 116.5914

130.1224,

141.1468, 148.6179

162.8433,
176.2538, 186.0300

■ 12.3818, 13.9223,
14.0913

■ 12.3818, 13.9223,
14.0913

■ 11.0159, 13.2550,
12.3783

■ 13.9293, 14.6808,
15.9572

■ 9.8236, 12.6738,
10.8135

■ 15.6638, 15.5320,
17.9788

■ 8.7980, 12.1755,
9.3932

■ 17.5916, 16.4795,
20.1600

■ 7.9314, 11.7561,
8.1133

■ 19.7187, 17.5264,
22.5042

■ 7.2153, 11.4116,
6.9694

■ 22.0506, 18.6754,
25.0146

■ 6.6406, 11.1371,
5.9569

■ 24.5928, 19.9293,
27.6946

■ 6.1967, 10.9274,
5.0710

■ 27.3503, 21.2905,
30.5473

■ 5.8720, 10.7766,
4.3065

■ 30.3282, 22.7618,
33.5758

■ 5.6226, 10.6618,
3.6730

■ 33.5314, 24.3453,
36.7829

Harmonies

Analogous

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



12.6783, 13.9223, 13.0702



12.3818, 13.9223, 14.0913



12.3107, 13.9223, 15.4593

Triad

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



12.3818, 13.9223, 14.0913



13.3372, 13.9223, 18.0274



14.0133, 13.9223, 13.6049

Complementary

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



12.3818, 13.9223, 14.0913



12.6949, 12.4711, 14.5706

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.



14.1996, 13.9223, 14.8627



12.3818, 13.9223, 14.0913



13.8031, 13.9223, 17.4593

Square

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



12.3818, 13.9223, 14.0913



12.8545, 13.9223, 17.7892



14.1218, 13.9223, 16.2794



13.6183, 13.9223, 12.8018

Rectangle

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



12.3818, 13.9223, 14.0913



12.3992, 13.9223, 16.3965



14.1218, 13.9223, 16.2794



14.1028, 13.9223, 13.9854

Sweetspot

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



12.3822, 13.9229, 14.0916



24.1314, 25.8897, 27.6081



12.9803, 14.2530, 13.1334



5.7931, 6.2431, 6.6252



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.



12.3822, 13.9229, 14.0916



21.6417, 24.6707, 24.5787



12.6498, 14.0300, 15.5011



3.1053, 3.4613, 3.5381



6.8260, 12.9645, 4.3947



34.3956, 65.9053, 20.3618

Inverse Universe

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



12.6949, 12.4711, 14.5706



22.3048, 21.5924, 25.5942



12.4348, 12.3670, 13.2007



3.1731, 3.1461, 3.6421



8.6345, 4.3059, 6.9698



43.5693, 21.7697, 33.2645

Previews

White Background



This preview shows how the XYZ color 12.3818, 13.9223, 14.0913 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 12.3818, 13.9223, 14.0913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

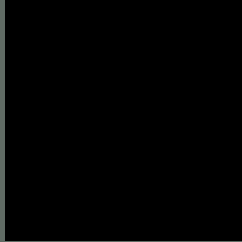
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

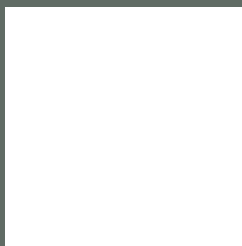
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.3818, 13.9223, 14.0913

Background



This preview shows how black text looks on a background with the XYZ color 12.3818, 13.9223, 14.0913.



This preview shows how white text looks on a background with the XYZ color 12.3818, 13.9223,

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

12.3818, 13.9223, 14.0913

Protanopia

13.2183, 13.9083, 13.5432

Deuteranopia

14.0729, 13.8918, 14.2516



Tritanopia

13.0692, 13.8921, 17.6154

Trichromacy



Original Color

12.3818, 13.9223, 14.0913

Protanomaly

12.8972, 13.8876, 13.8052

Deuteranomaly

13.3836, 13.8282, 14.2756

Tritanomaly

12.7906, 13.9322, 16.2024

Monochromacy



Original Color

12.3818, 13.9223, 14.0913

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.6041, 13.5693, 14.5252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3818, 13.9223, 14.0913 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(96, 107, 100) looks like.

```
.text, #text, p{  
    color:rgb(96, 107, 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(96, 107, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 107, 100) }
```

Border

The CSS property to change the border of an element to XYZ 12.3818, 13.9223, 14.0913 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(96, 107, 100) }
```


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

```
.border{ border-color:rgb(96, 107, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 107, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 107, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 107, 100);  
box-shadow:4px 4px 4px 4px rgb(96, 107,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3818, 13.9223, 14.0913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 107, 100) }
```

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

```
.background{ background-color: rgb(96, 107,  
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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