

Converting Colors

XYZ(23.0387, 18.5139, 15.6256)

Have a look what the booklet for
XYZ(23.0387, 18.5139, 15.6256)
contains.

XYZ(23.1398, 18.5428, 15.7241)	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(23.1398, 18.5428,
15.7241)**

Conversions

Conversions Part 1

Format	Color
Hex	A76569
RGB	167, 101, 105
RGB Percent	65%, 40%, 41%
CMY	0.3451, 0.6039, 0.5882
CMYK	0.00, 0.40, 0.37, 0.35
HSL	356°, 27%, 53%
HSV	356°, 40%, 65%
XYZ	23.1398, 18.5428, 15.7241
YIQ	121.1900, 38.0520, 15.2360

Conversions

Conversions Part 2

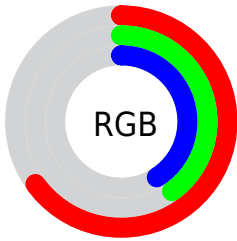
Format	Color
R_{YB}	167, 101, 105
Decimal	10970473
CIE Lab	50.15, 27.09, 9.12
CIE LCh	50, 28.581, 18.605
Yxy	18.5428, 0.4031, 0.3230
Android (android.graphics.Color)	4289160553 (0xFFA76569)
YUV	121.1900, -7.9817, 40.1754
Hunter-Lab	43.0614, 20.5629, 8.4929

Details

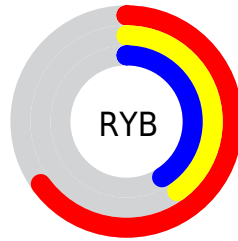
The XYZ color **23.1398, 18.5428, 15.7241** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.7973, 33.0488, 39.6716**, and the grayscale version is **18.2523, 19.2028, 20.9119**.

A 20% lighter version of the original color is **48.1325, 41.0301, 36.8352**, and **8.8469, 6.3624, 4.7648** is the 20% darker color. If you saturate the color by 10%, you get **20.9466, 15.3301, 11.3750**, and if you desaturate by 10%, it is **25.8122, 22.4758, 20.9673**.

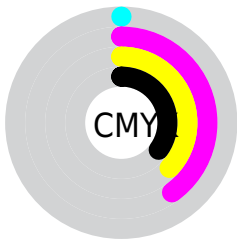
Distribution



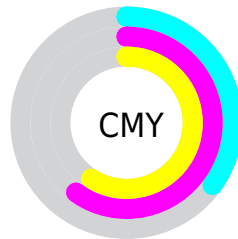
- Red (65%)
- Green (40%)
- Blue (41%)



- Red (65%)
- Yellow (40%)
- Blue (41%)



- Cyan (0%)
- Magenta (40%)
- Yellow (37%)
- Black (35%)





- Cyan (35%)
- Magenta (60%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1398, 18.5428, 15.7241 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 23.1398, 18.5428, 15.7241 by changing the saturation by 10% instead.


 23.1398, 18.5428,
15.7241


 23.1398, 18.5428,
15.7241


260.9642,
243.9130, 239.4980


 14.8180, 11.3404,
9.1769


 48.0877, 40.9601,
36.8787


 8.7773, 6.2963,
4.7584


 65.4446, 56.9438,
52.3231

 4.6521, 3.0261,
2.0499


 86.5439, 76.6233,
71.5704

 2.0773, 1.1454,
0.5857

 111.7510,
100.3831, 95.0390

 0.6768, 0.0164,
0.0000

141.4312,
128.6076, 123.1475

 0.0000, 0.0000,
0.0000

175.9499,

161.6812, 156.3145

215.6724,
199.9882, 194.9585

■ 23.1398, 18.5428,
15.7241

■ 23.1398, 18.5428,
15.7241

■ 20.9466, 15.3301,
11.3750

■ 25.8122, 22.4758,
20.9673

■ 19.2030, 12.7914,
7.8691

■ 28.9883, 27.1661,
27.1495

■ 17.8780, 10.8796,
5.1519

■ 32.6928, 32.6516,
34.3139


■ 16.9365, 9.5402,
3.1624


■ 36.9481, 38.9668,
42.5007


■ 16.3374, 8.7093,
1.8302


■ 41.7755, 46.1440,
51.7478


 16.0047, 8.2568,
1.0628

 47.1950, 54.2140,
62.0912

 15.9917, 8.2376,
1.0375

 53.2259, 63.2060,
73.5652

 59.8864, 73.1480,
86.2026

 67.1940, 84.0665,
100.0350

Harmonies

Analogous

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



23.3473, 18.5428, 23.3399



23.1398, 18.5428, 15.7241



21.3665, 18.5428, 10.8097

Triad

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



23.1398, 18.5428, 15.7241



13.9399, 18.5428, 11.7242



16.5978, 18.5428, 39.0246

Complementary

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



23.1398, 18.5428, 15.7241



25.7973, 33.0488, 39.6716

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.



14.3469, 18.5428, 33.8516



23.1398, 18.5428, 15.7241



12.9226, 18.5428, 17.3370

Square

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



23.1398, 18.5428, 15.7241



15.9869, 18.5428, 8.9504



13.0634, 18.5428, 25.4302



19.3700, 18.5428, 38.2630

Rectangle

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



23.1398, 18.5428, 15.7241



19.6294, 18.5428, 9.0982



13.0634, 18.5428, 25.4302



15.7608, 18.5428, 37.8772

Sweetspot

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



23.1403, 18.5437, 15.7245



56.6645, 55.6815, 57.8133



26.6517, 19.8427, 38.9844



12.4922, 12.1817, 12.5739



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.1403, 18.5437, 15.7245



38.1118, 28.3286, 21.5631



26.2154, 25.0149, 15.7598



7.5488, 7.5494, 7.9414



12.2437, 6.3062, 0.8291



0.3035, 0.1557, 0.0495

Inverse Universe

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



23.1403, 18.5437, 15.7245



38.1118, 28.3286, 21.5631



21.4887, 23.8495, 40.0299



7.5488, 7.5494, 7.9414



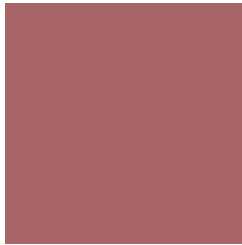
12.2437, 6.3062, 0.8291



0.3035, 0.1557, 0.0495

Previews

White Background



This preview shows how the XYZ color 23.1398, 18.5428, 15.7241 looks on a white background.

Color Contrast Check

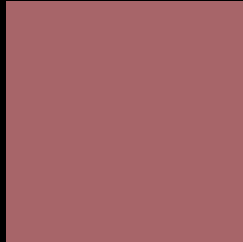
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 23.1398, 18.5428, 15.7241 looks on a black 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

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

XYZ 23.1398, 18.5428, 15.7241

Background



This preview shows how black text looks on a background with the XYZ color 23.1398, 18.5428, 15.7241.



This preview shows how white text looks on a background with the XYZ color 23.1398, 18.5428,

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

23.1398, 18.5428, 15.7241

Protanopia

17.8597, 18.6424, 18.8767

Deuteranopia

18.8455, 18.5391, 15.1555



Tritanopia

23.2968, 18.6056, 16.5507

Trichromacy



Original Color

23.1398, 18.5428, 15.7241

Protanomaly

19.3109, 18.2250, 17.5389

Deuteranomaly

20.2369, 18.4270, 15.3221

Tritanomaly

23.2439, 18.5844, 16.2720

Monochromacy



Original Color

23.1398, 18.5428, 15.7241

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.5931, 18.6757, 18.7918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1398, 18.5428, 15.7241 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(167, 101, 105)` looks like.

```
.text, #text, p{  
    color:rgb(167, 101, 105)  
}
```

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(167, 101, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 101, 105) }
```

Border

The CSS property to change the border of an element to XYZ 23.1398, 18.5428, 15.7241 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(167, 101, 105) }
```


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

```
.border{ border-color:rgb(167, 101, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 101, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 101, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 101, 105);  
box-shadow:4px 4px 4px 4px rgb(167, 101,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1398, 18.5428, 15.7241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 101, 105) }
```

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

```
.background{ background-color: rgb(167,  
101, 105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor