

Converting Colors

XYZ(23.3160, 18.4187, 13.8901)

Have a look what the booklet for
XYZ(23.3160, 18.4187, 13.8901)
contains.

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Color

**XYZ(23.2440, 18.3516,
13.8724)**

Conversions

Conversions Part 1

Format	Color
Hex	AA6362
RGB	170, 99, 98
RGB Percent	67%, 39%, 38%
CMY	0.3333, 0.6117, 0.6157
CMYK	0.00, 0.42, 0.42, 0.33
HSL	1°, 30%, 53%
HSV	1°, 42%, 67%
XYZ	23.2440, 18.3516, 13.8724
YIQ	120.1150, 42.6370, 14.7410

Conversions

Conversions Part 2

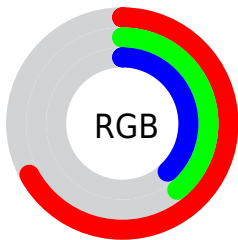
Format	Color
R_{YB}	170, 99, 98
Decimal	11166562
CIE _{Lab}	49.92, 28.54, 13.02
CIE _{LCh}	50, 31.367, 24.519
Yxy	18.3516, 0.4191, 0.3309
Android (android.graphics.Color)	4289356642 (0xFFAA6362)
YUV	120.1150, -10.9027, 43.7491
Hunter-Lab	42.8388, 21.8849, 10.7874

Details

The XYZ color **23.2440, 18.3516, 13.8724** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **26.4799, 33.8732, 43.1726**, and the grayscale version is **17.9141, 18.8471, 20.5244**.

A 20% lighter version of the original color is **48.1700, 40.6340, 33.7381**, and **8.8307, 6.1740, 3.9751** is the 20% darker color. If you saturate the color by 10%, you get **21.0983, 15.2113, 9.6088**, and if you desaturate by 10%, it is **25.8907, 22.2212, 19.1444**.

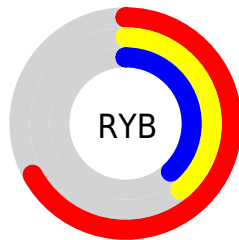
Distribution



Red (67%)

Green (39%)

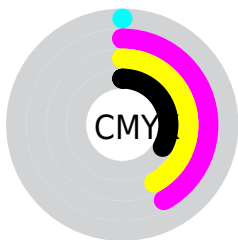
Blue (38%)



Red (67%)

Yellow (39%)

Blue (38%)

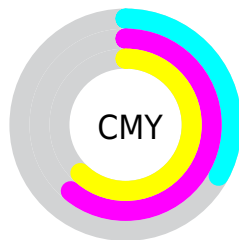


Cyan (0%)

Magenta (42%)

Yellow (42%)

Black (33%)



Cyan (33%)

Magenta (61%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2440, 18.3516, 13.8724 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 23.2440, 18.3516, 13.8724 by changing the saturation by 10% instead.

■ 23.2440, 18.3516,
13.8724

■ 23.2440, 18.3516,
13.8724

261.4878,
242.8454, 227.8363

■ 14.8955, 11.2027,
7.8942

■ 48.2574, 40.6355,
33.5763

■ 8.8319, 6.2034,
3.9405

■ 65.6529, 56.5394,
48.1391

■ 4.6879, 2.9691,
1.5928

■ 86.7949, 76.1303,
66.4006

■ 2.0982, 1.1156,
0.2857

■ 112.0485, 99.7928,
88.7792

■ 0.6882, 0.0000,
0.0000

141.7793,
127.9111, 115.6936

■ 0.0000, 0.0000,
0.0000

176.3525,

160.8697, 147.5622

216.1336,
199.0530, 184.8036

■ 23.2440, 18.3516,
13.8724

■ 23.2440, 18.3516,
13.8724

■ 21.0983, 15.2113,
9.6088

■ 25.8907, 22.2212,
19.1444

■ 19.4209, 12.7521,
6.2884

■ 29.0658, 26.8588,
25.4824

■ 18.1771, 10.9242,
3.8400


■ 32.7963, 32.3039,
32.9408


■ 17.3271, 9.6703,
2.1817


■ 37.1070, 38.5922,
41.5700


■ 16.8237, 8.9221,
1.2162

■ 42.0211, 45.7574,
51.4174

 16.6032, 8.5975,
0.7844

 47.5606, 53.8315,
62.5278

 53.7463, 62.8445,
74.9436

 60.5984, 72.8255,
88.7052

 68.1357, 83.8020,
103.8516

Harmonies

Analogous

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



23.8480, 18.3516, 21.6040



23.2440, 18.3516, 13.8724



21.0151, 18.3516, 9.3107

Triad

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



23.2440, 18.3516, 13.8724



13.1488, 18.3516, 11.8352



16.8967, 18.3516, 41.3888

Complementary

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



23.2440, 18.3516, 13.8724



26.4799, 33.8732, 43.1726

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.



14.2999, 18.3516, 36.7082



23.2440, 18.3516, 13.8724



12.3011, 18.3516, 18.4428

Square

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



23.2440, 18.3516, 13.8724



15.1535, 18.3516, 8.3928



12.6971, 18.3516, 27.6638



19.9515, 18.3516, 39.1299

Rectangle

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



23.2440, 18.3516, 13.8724



19.0304, 18.3516, 7.9026



12.6971, 18.3516, 27.6638



15.9457, 18.3516, 40.5422

Sweetspot

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



23.2445, 18.3525, 13.8727



58.8661, 57.6788, 58.4882



28.2009, 20.1838, 40.4396



12.7863, 12.3648, 12.3609



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.2445, 18.3525, 13.8727



38.4295, 27.8171, 17.7291



27.3073, 26.4782, 15.2270



7.5392, 7.5584, 7.8508



12.2171, 6.3314, 0.5782



0.2998, 0.1591, 0.0149

Inverse Universe

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



26.4799, 33.8732, 43.1726



45.1000, 59.8277, 78.1728



20.8179, 22.5493, 41.2853



7.7385, 8.5138, 9.6538



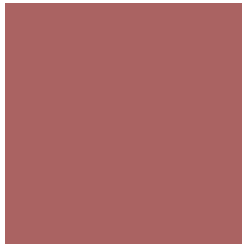
15.5912, 22.6425, 31.5242



0.3821, 0.5563, 0.7679

Previews

White Background



This preview shows how the XYZ color 23.2440, 18.3516, 13.8724 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 23.2440, 18.3516, 13.8724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

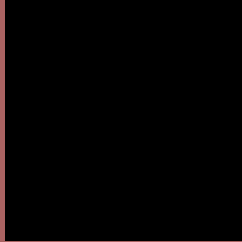
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2440, 18.3516, 13.8724

Background



This preview shows how black text looks on a background with the XYZ color 23.2440, 18.3516, 13.8724.

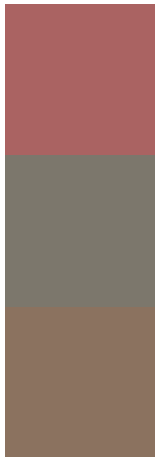


This preview shows how white text looks on a background with the XYZ color 23.2440, 18.3516,

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

23.2440, 18.3516, 13.8724

Protanopia

17.6158, 18.5614, 16.8416

Deuteranopia

18.7303, 18.3498, 13.3811



Tritanopia

23.7121, 18.4132, 15.6689

Trichromacy



Original Color

23.2440, 18.3516, 13.8724

Protanomaly

19.2774, 18.2505, 15.6034

Deuteranomaly

20.1576, 18.2658, 13.5296

Tritanomaly

23.5605, 18.3526, 14.8710

Monochromacy



Original Color

23.2440, 18.3516, 13.8724

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.2000, 18.1615, 17.8228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2440, 18.3516, 13.8724 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(170, 99, 98)` looks like.

```
.text, #text, p{  
    color:rgb(170, 99, 98)  
}
```

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(170, 99, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 99, 98) }
```

Border

The CSS property to change the border of an element to XYZ 23.2440, 18.3516, 13.8724 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(170, 99, 98) }
```


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

```
.border{ border-color:rgb(170, 99, 98) }
```

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

Here you see how a box with a 4 pixel rgb(170, 99, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 99, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 99, 98);  
box-shadow:4px 4px 4px 4px rgb(170, 99,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2440, 18.3516, 13.8724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 99, 98) }
```

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

```
.background{ background-color: rgb(170, 99,  
98) }
```

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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