

Converting Colors

XYZ(23.3417, 18.1818, 13.3857)

Have a look what the booklet for
XYZ(23.3417, 18.1818, 13.3857)
contains.

XYZ(23.3993, 18.1646, 13.3392)	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(23.3993, 18.1646,
13.3392)**

Conversions

Conversions Part 1

Format	Color
Hex	AC6160
RGB	172, 97, 96
RGB Percent	67%, 38%, 38%
CMY	0.3255, 0.6196, 0.6235
CMYK	0.00, 0.44, 0.44, 0.33
HSL	1°, 31%, 53%
HSV	1°, 44%, 67%
XYZ	23.3993, 18.1646, 13.3392
YIQ	119.3110, 45.0210, 15.5890

Conversions

Conversions Part 2

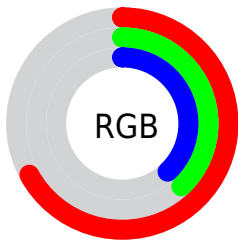
Format	Color
R_{YB}	172, 97, 96
Decimal	11297120
CIE _{Lab}	49.70, 30.20, 13.94
CIE _{LCh}	50, 33.262, 24.770
Yxy	18.1646, 0.4262, 0.3308
Android (android.graphics.Color)	4289487200 (0xFFAC6160)
YUV	119.3110, -11.4923, 46.2083
Hunter-Lab	42.6199, 23.4156, 11.2774

Details

The XYZ color **23.3993, 18.1646, 13.3392** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **26.8325, 34.5896, 44.2919**, and the grayscale version is **17.6590, 18.5786, 20.2321**.

A 20% lighter version of the original color is **48.5689, 40.3932, 32.4309**, and **8.9688, 6.1261, 3.7274** is the 20% darker color. If you saturate the color by 10%, you get **21.2883, 15.0743, 9.1468**, and if you desaturate by 10%, it is **26.0200, 21.9971, 18.5566**.

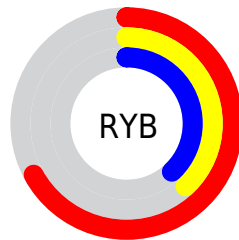
Distribution



Red (67%)

Green (38%)

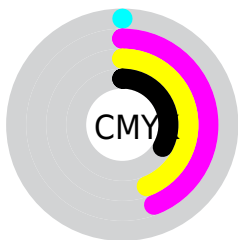
Blue (38%)



Red (67%)

Yellow (38%)

Blue (38%)

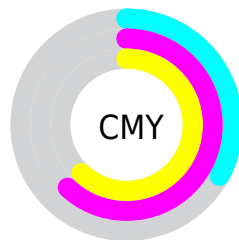


Cyan (0%)

Magenta (44%)

Yellow (44%)

Black (33%)



Cyan (33%)

Magenta (62%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3993, 18.1646, 13.3392 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 23.3993, 18.1646, 13.3392 by changing the saturation by 10% instead.

■ 23.3993, 18.1646,
13.3392

■ 23.3993, 18.1646,
13.3392

262.2665,
241.7972, 224.3639

■ 15.0109, 11.0682,
7.5291

■ 48.5100, 40.3176,
32.6119

■ 8.9134, 6.1127,
3.7117

■ 65.9630, 56.1430,
46.9116

■ 4.7414, 2.9138,
1.4686

■ 87.1684, 75.6469,
64.8782

■ 2.1295, 1.0869,
0.1943

■ 112.4913, 99.2136,
86.9302

■ 0.7052, 0.0000,
0.0000

142.2972,
127.2277, 113.4863

■ 0.0000, 0.0000,
0.0000

176.9515,

160.0733, 144.9649

216.8195,
198.1350, 181.7846

■ 23.3993, 18.1646,
13.3392

■ 23.3993, 18.1646,
13.3392

■ 21.2883, 15.0743,
9.1468

■ 26.0200, 21.9971,
18.5566

■ 19.6526, 12.6757,
5.9111

■ 29.1791, 26.6125,
24.8593

■ 18.4558, 10.9163,
3.5569


■ 32.9049, 32.0519,
32.3040


■ 17.6556, 9.7350,
1.9976


■ 37.2230, 38.3528,
40.9433


■ 17.2012, 9.0590,
1.1291


■ 42.1579, 45.5502,
50.8266

 17.0379, 8.8200,
0.8044

 47.7324, 53.6774,
62.0002

 53.9681, 62.7659,
74.5084

 60.8859, 72.8455,
88.3931

 68.5054, 83.9451,
103.6947

Harmonies

Analogous

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



24.0599, 18.1646, 21.4093



23.3993, 18.1646, 13.3392



21.0177, 18.1646, 8.6865

Triad

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



23.3993, 18.1646, 13.3392



12.7568, 18.1646, 11.3334



16.7163, 18.1646, 42.6986

Complementary

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



23.3993, 18.1646, 13.3392



26.8325, 34.5896, 44.2919

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.



13.9877, 18.1646, 37.6980



23.3993, 18.1646, 13.3392



11.8873, 18.1646, 18.2321

Square

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



23.3993, 18.1646, 13.3392



14.8392, 18.1646, 7.8007



12.3089, 18.1646, 28.0135



19.9415, 18.1646, 40.1927

Rectangle

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



23.3993, 18.1646, 13.3392



18.9130, 18.1646, 7.2797



12.3089, 18.1646, 28.0135



15.7155, 18.1646, 41.8039

Sweetspot

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



23.3998, 18.1655, 13.3395



60.3936, 59.1674, 60.0024



28.6426, 20.1151, 41.4027



12.7851, 12.3625, 12.3605



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.



23.3998, 18.1655, 13.3395



38.7003, 27.4645, 16.7525



27.6498, 26.6655, 14.7562



8.0134, 8.0317, 8.3413



12.6822, 6.5700, 0.5997



0.3555, 0.1882, 0.0176

Inverse Universe

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



26.8325, 34.5896, 44.2919



45.7316, 61.1190, 80.1926



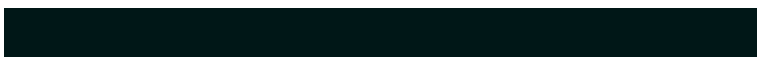
20.7955, 22.5157, 42.2796



8.2271, 9.0536, 10.2666



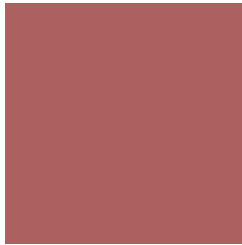
16.2039, 23.5416, 32.7345



0.4536, 0.6605, 0.9116

Previews

White Background



This preview shows how the XYZ color 23.3993, 18.1646, 13.3392 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 23.3993, 18.1646, 13.3392 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 23.3993, 18.1646, 13.3392

Background



This preview shows how black text looks on a background with the XYZ color 23.3993, 18.1646, 13.3392.

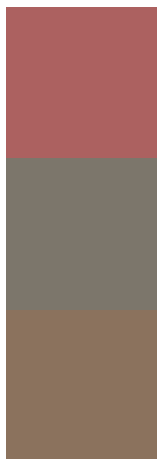


This preview shows how white text looks on a background with the XYZ color 23.3993, 18.1646,

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

23.3993, 18.1646, 13.3392

Protanopia

17.4445, 18.3035, 16.5234

Deuteranopia

18.6406, 18.3139, 12.9084



Tritanopia

23.8646, 18.2293, 15.0928

Trichromacy



Original Color

23.3993, 18.1646, 13.3392

Protanomaly

19.0086, 17.7939, 15.2647

Deuteranomaly

20.1454, 18.1126, 13.0240

Tritanomaly

23.7167, 18.1701, 14.3138

Monochromacy



Original Color

23.3993, 18.1646, 13.3392

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

19.0349, 17.9198, 17.4946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3993, 18.1646, 13.3392 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(172, 97, 96)` looks like.

```
.text, #text, p{  
    color:rgb(172, 97, 96)  
}
```

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(172, 97, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 97, 96) }
```

Border

The CSS property to change the border of an element to XYZ 23.3993, 18.1646, 13.3392 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(172, 97, 96) }
```


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

```
.border{ border-color:rgb(172, 97, 96) }
```

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

Here you see how a box with a 4 pixel rgb(172, 97, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 97, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 97, 96);  
box-shadow:4px 4px 4px 4px rgb(172, 97,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3993, 18.1646, 13.3392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 97, 96) }
```

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

```
.background{ background-color: rgb(172, 97,  
96) }
```

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