

Converting Colors

XYZ(23.0700, 19.4736, 9.1393)

Have a look what the booklet for
XYZ(23.0700, 19.4736, 9.1393)
contains.

XYZ(23.0016, 19.3621, 9.1816)	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(23.0016, 19.3621,
9.1816)**

Conversions

Conversions Part 1

Format	Color
Hex	AA6A4B
RGB	170, 106, 75
RGB Percent	67%, 42%, 29%
CMY	0.3333, 0.5843, 0.7059
CMYK	0.00, 0.38, 0.56, 0.33
HSL	20°, 39%, 48%
HSV	20°, 56%, 67%
XYZ	23.0016, 19.3621, 9.1816
YIQ	121.6020, 48.0950, 3.9270

Conversions

Conversions Part 2

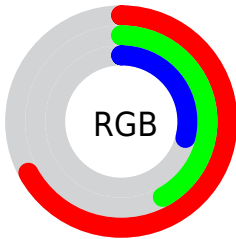
Format	Color
R_{YB}	170, 121, 75
Decimal	11168331
CIE Lab	51.11, 22.33, 28.00
CIE LCh	51, 35.811, 51.434
Yxy	19.3621, 0.4462, 0.3756
Android (android.graphics.Color)	4289358411 (0xFFAA6A4B)
YUV	121.6020, -22.9748, 42.4450
Hunter-Lab	44.0024, 16.3041, 18.4301

Details

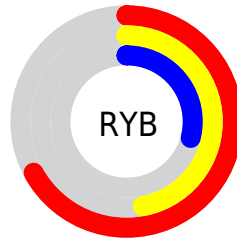
The XYZ color **23.0016, 19.3621, 9.1816** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.3895, 22.8624, 41.4210**, and the grayscale version is **18.4309, 19.3907, 21.1165**.

A 20% lighter version of the original color is **47.8599, 42.4029, 24.7309**, and **8.6868, 6.6973, 2.0631** is the 20% darker color. If you saturate the color by 10%, you get **21.3933, 16.9556, 6.1484**, and if you desaturate by 10%, it is **24.9240, 22.1480, 13.0869**.

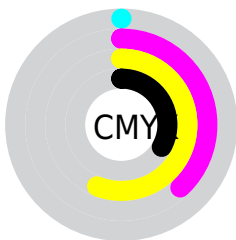
Distribution



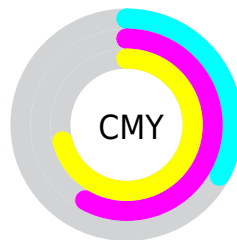
- Red (67%)
- Green (42%)
- Blue (29%)



- Red (67%)
- Yellow (47%)
- Blue (29%)



- Cyan (0%)
- Magenta (38%)
- Yellow (56%)
- Black (33%)





- Cyan (33%)
- Magenta (58%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.0016, 19.3621, 9.1816 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 23.0016, 19.3621, 9.1816 by changing the saturation by 10% instead.


 23.0016, 19.3621,
9.1816


 23.0016, 19.3621,
9.1816


260.2684,
248.4405, 194.9946


 14.7154, 11.9322,
4.7614


 47.8626, 42.3451,
24.8276


 8.7049, 6.6975,
2.0517


 65.1681, 58.6669,
36.8905

 4.6048, 3.2737,
0.5868

 86.2107, 78.7216,
52.3381

 2.0496, 1.2762,
0.0000

 111.3558,
102.8935, 71.5889

 0.6616, 0.1227,
0.0000

 140.9688,
131.5669, 95.0613

 0.0000, 0.0000,
0.0000

175.4150,

165.1263, 123.1741

215.0597,
203.9560, 156.3457

■ 23.0016, 19.3621,
9.1816

■ 23.0016, 19.3621,
9.1816

■ 21.3933, 16.9556,
6.1484

■ 24.9240, 22.1480,
13.0869

■ 20.0787, 14.9081,
3.9172

■ 27.1761, 25.3266,
17.9246

■ 19.0371, 13.2014,
2.4090

■ 29.7743, 28.9141,
23.7508

■ 18.2421, 11.8138,
1.5199

■ 32.7333, 32.9248,
30.6170

■ 17.9666, 11.3243,
1.2389

■ 36.0669, 37.3725,
38.5709

■ 39.7882, 42.2700,
47.6575

■ 43.9096, 47.6298,
57.9188

■ 48.4429, 53.4639,
69.3951

■ 53.3994, 59.7838,
82.1246

Harmonies

Analogous

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



25.5269, 19.3621, 14.7073



23.0016, 19.3621, 9.1816



19.4401, 19.3621, 7.0451

Triad

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



23.0016, 19.3621, 9.1816



12.4379, 19.3621, 18.2985



21.0155, 19.3621, 45.0573

Complementary

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



23.0016, 19.3621, 9.1816



19.3895, 22.8624, 41.4210

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.



17.4036, 19.3621, 46.9676



23.0016, 19.3621, 9.1816



12.7457, 19.3621, 29.0748

Square

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



23.0016, 19.3621, 9.1816



13.5594, 19.3621, 11.0817



14.4624, 19.3621, 40.3904



24.2814, 19.3621, 35.7919

Rectangle

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



23.0016, 19.3621, 9.1816



17.0811, 19.3621, 7.1273



14.4624, 19.3621, 40.3904



19.7916, 19.3621, 46.6781

Sweetspot

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



23.0021, 19.3631, 9.1820



58.5844, 58.6527, 53.6553



23.8212, 15.4694, 26.5092



12.8252, 12.7568, 11.4057



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.



23.0021, 19.3631, 9.1820



38.2131, 29.8402, 10.0857



29.1707, 31.7003, 11.2382



7.7236, 7.9273, 7.9123



13.2626, 8.4225, 0.9267



0.3690, 0.2975, 0.0380

Inverse Universe

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



19.3895, 22.8624, 41.4210



30.9373, 36.7085, 74.4568



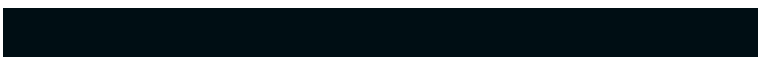
14.0209, 12.1251, 39.6314



7.5381, 8.1132, 9.5870



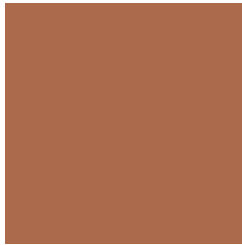
9.8593, 11.1788, 29.6136



0.2835, 0.3591, 0.7350

Previews

White Background



This preview shows how the XYZ color 23.0016, 19.3621, 9.1816 looks on a white background.

Color Contrast Check

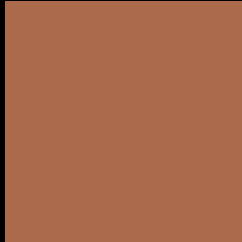
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0016, 19.3621, 9.1816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

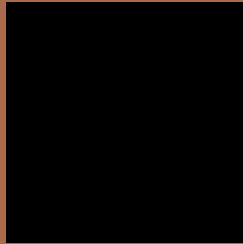
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.0016, 19.3621, 9.1816

Background



This preview shows how black text looks on a background with the XYZ color 23.0016, 19.3621, 9.1816.



This preview shows how white text looks on a background with the XYZ color 23.0016, 19.3621,

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

23.0016, 19.3621, 9.1816

Protanopia

18.1176, 19.4997, 10.5935

Deuteranopia

19.7766, 19.4995, 9.0248



Tritanopia

24.5249, 19.3775, 16.9156

Trichromacy



Original Color

23.0016, 19.3621, 9.1816

Protanomaly

19.5107, 19.1663, 10.0683

Deuteranomaly

20.8515, 19.3726, 9.1189

Tritanomaly

23.8025, 19.2215, 13.7649

Monochromacy



Original Color

23.0016, 19.3621, 9.1816

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.4427, 18.9997, 16.0072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0016, 19.3621, 9.1816 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, 106, 75)` looks like.

```
.text, #text, p{  
    color:rgb(170, 106, 75)  
}
```

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, 106, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 106, 75) }
```

Border

The CSS property to change the border of an element to XYZ 23.0016, 19.3621, 9.1816 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, 106, 75) }
```


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

```
.border{ border-color:rgb(170, 106, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 106, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 106, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 106, 75);  
box-shadow:4px 4px 4px 4px rgb(170, 106,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0016, 19.3621, 9.1816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 106, 75) }
```

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

```
.background{ background-color: rgb(170,  
106, 75) }
```

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