

Converting Colors

XYZ(23.9785, 19.9947, 13.0745)

Have a look what the booklet for
XYZ(23.9785, 19.9947, 13.0745)
contains.

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Color

**XYZ(23.8556, 19.8696,
13.1676)**

Conversions

Conversions Part 1

Format	Color
Hex	AA6B5E
RGB	170, 107, 94
RGB Percent	67%, 42%, 37%
CMY	0.3333, 0.5804, 0.6314
CMYK	0.00, 0.37, 0.45, 0.33
HSL	10°, 31%, 52%
HSV	10°, 45%, 67%
XYZ	23.8556, 19.8696, 13.1676
YIQ	124.3550, 41.7210, 9.3130

Conversions

Conversions Part 2

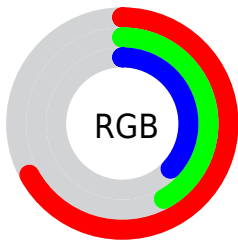
Format	Color
RYB	170, 110, 94
Decimal	11168606
CIELab	51.69, 23.63, 17.80
CIELCh	52, 29.585, 36.994
Yxy	19.8696, 0.4193, 0.3492
Android (android.graphics.Color)	4289358686 (0xFFAA6B5E)
YUV	124.3550, -14.9650, 40.0307
Hunter-Lab	44.5753, 17.5219, 13.6884

Details

The XYZ color **23.8556, 19.8696, 13.1676** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.9281, 29.3945, 42.4425**, and the grayscale version is **19.3158, 20.3218, 22.1304**.

A 20% lighter version of the original color is **49.1107, 43.1408, 32.1241**, and **9.1677, 6.9862, 3.6616** is the 20% darker color. If you saturate the color by 10%, you get **21.8238, 16.8954, 9.1323**, and if you desaturate by 10%, it is **26.2958, 23.3918, 18.1684**.

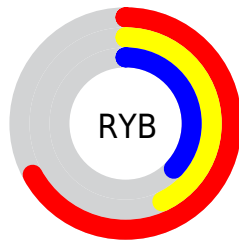
Distribution



Red (67%)

Green (42%)

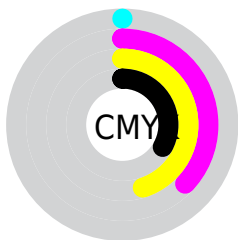
Blue (37%)



Red (67%)

Yellow (43%)

Blue (37%)

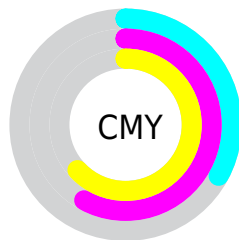


Cyan (0%)

Magenta (37%)

Yellow (45%)

Black (33%)



Cyan (33%)

Magenta (58%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8556, 19.8696, 13.1676 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 23.8556, 19.8696, 13.1676 by changing the saturation by 10% instead.


 23.8556, 19.8696,
13.1676


 23.8556, 19.8696,
13.1676


264.5437,
251.2083, 223.2344


 15.3507, 12.3003,
7.4120


 49.2508, 43.1985,
32.3001


 9.1538, 6.9485,
3.6387


 66.8719, 59.7268,
46.5142

 4.8995, 3.4299,
1.4293

 88.2624, 80.0102,
64.3847

 2.2226, 1.3601,
0.1644

 113.7877,
104.4332, 86.3303

 0.7546, 0.1870,
0.0000

143.8131,
133.3801, 112.7696

 0.0000, 0.0000,
0.0000

178.7040,

167.2354, 144.1210

218.8257,
206.3833, 180.8031

■ 23.8556, 19.8696,
13.1676

■ 23.8556, 19.8696,
13.1676

■ 21.8238, 16.8954,
9.1323

■ 26.2958, 23.3918,
18.1684

■ 20.1763, 14.4387,
5.9987

■ 29.1639, 27.4848,
24.1904

■ 18.8885, 12.4703,
3.6971

■ 32.4799, 32.1734,
31.2867

■ 17.9321, 10.9569,
2.1471

■ 36.2620, 37.4805,
39.5061

■ 17.2744, 9.8610,
1.2514

■ 40.5275, 43.4273,
48.8946

■ 17.0190, 9.4290,
0.9230

■ 45.2927, 50.0343,
59.4954

■ 50.5733, 57.3210,
71.3499

■ 56.3840, 65.3062,
84.4970

■ 62.7392, 74.0076,
98.9744

Harmonies

Analogous

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



25.1808, 19.8696, 19.6923



23.8556, 19.8696, 13.1676



21.2209, 19.8696, 9.7490

Triad

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



23.8556, 19.8696, 13.1676



14.0756, 19.8696, 15.8203



19.5937, 19.8696, 42.4191

Complementary

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



23.8556, 19.8696, 13.1676



23.9281, 29.3945, 42.4425

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.



16.7280, 19.8696, 40.5879



23.8556, 19.8696, 13.1676



13.7379, 19.8696, 23.7006

Square

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



23.8556, 19.8696, 13.1676



15.6351, 19.8696, 10.9746



14.6585, 19.8696, 33.1221



22.5576, 19.8696, 37.6160

Rectangle

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



23.8556, 19.8696, 13.1676



19.1883, 19.8696, 9.0125



14.6585, 19.8696, 33.1221



18.5858, 19.8696, 42.5756

Sweetspot

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



23.8561, 19.8706, 13.1680



59.8863, 59.7193, 58.8283



26.6946, 18.9973, 34.3075



13.0434, 12.8791, 12.4466



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.



23.8561, 19.8706, 13.1680



39.5063, 30.5206, 16.3925



28.6724, 29.5033, 14.7734



7.6310, 7.7421, 7.8815



12.5489, 6.9950, 0.6888



0.3346, 0.2287, 0.0265

Inverse Universe

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



23.9281, 29.3945, 42.4425



39.6187, 50.0311, 76.5707



18.5085, 18.5553, 40.6360



7.6367, 8.3104, 9.6199



12.3700, 16.2002, 30.4505



0.3289, 0.4500, 0.7502

Previews

White Background



This preview shows how the XYZ color 23.8556, 19.8696, 13.1676 looks on a white background.

Color Contrast Check

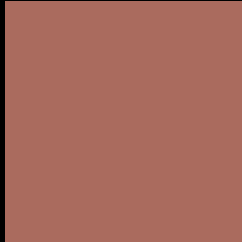
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8556, 19.8696, 13.1676 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 23.8556, 19.8696, 13.1676

Background



This preview shows how black text looks on a background with the XYZ color 23.8556, 19.8696, 13.1676.



This preview shows how white text looks on a background with the XYZ color 23.8556, 19.8696,

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

23.8556, 19.8696, 13.1676

Protanopia

18.8413, 19.9505, 15.4282

Deuteranopia

20.3827, 20.0774, 12.9262



Tritanopia

24.8882, 19.8411, 17.8472

Trichromacy



Original Color

23.8556, 19.8696, 13.1676

Protanomaly

20.2905, 19.6432, 14.5265

Deuteranomaly

21.6241, 20.0203, 13.0805

Tritanomaly

24.3960, 19.7810, 15.8969

Monochromacy



Original Color

23.8556, 19.8696, 13.1676

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

20.4436, 19.8118, 18.3694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8556, 19.8696, 13.1676 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, 107, 94)` looks like.

```
.text, #text, p{  
    color:rgb(170, 107, 94)  
}
```

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, 107, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 107, 94) }
```

Border

The CSS property to change the border of an element to XYZ 23.8556, 19.8696, 13.1676 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, 107, 94) }
```


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

```
.border{ border-color:rgb(170, 107, 94) }
```

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

Here you see how a box with a 4 pixel rgb(170, 107, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 107, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 107, 94);  
box-shadow:4px 4px 4px 4px rgb(170, 107,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8556, 19.8696, 13.1676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 107, 94) }
```

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

```
.background{ background-color: rgb(170,  
107, 94) }
```

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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