

Converting Colors

XYZ(23.8065, 19.5704, 13.0076)

Have a look what the booklet for
XYZ(23.8065, 19.5704, 13.0076)
contains.

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Color

**XYZ(23.8665, 19.5692,
13.1090)**

Conversions

Conversions Part 1

Format	Color
Hex	AB695E
RGB	171, 105, 94
RGB Percent	67%, 41%, 37%
CMY	0.3294, 0.5882, 0.6314
CMYK	0.00, 0.39, 0.45, 0.33
HSL	9°, 31%, 52%
HSV	9°, 45%, 67%
XYZ	23.8665, 19.5692, 13.1090
YIQ	123.4800, 42.8670, 10.5710

Conversions

Conversions Part 2

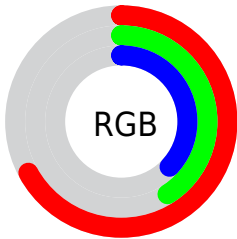
Format	Color
RYB	171, 107, 94
Decimal	11233630
CIELab	51.35, 25.16, 17.36
CIElCh	51, 30.563, 34.607
Yxy	19.5692, 0.4221, 0.3461
Android (android.graphics.Color)	4289423710 (0xFFAB695E)
YUV	123.4800, -14.5336, 41.6750
Hunter-Lab	44.2371, 18.8882, 13.3963

Details

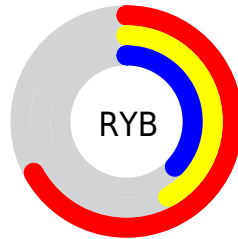
The XYZ color **23.8665, 19.5692, 13.1090** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.5369, 30.4602, 43.1141**, and the grayscale version is **19.0226, 20.0132, 21.7944**.

A 20% lighter version of the original color is **49.4041, 42.7856, 32.0401**, and **9.1991, 6.8527, 3.6342** is the 20% darker color. If you saturate the color by 10%, you get **21.8162, 16.5636, 9.0501**, and if you desaturate by 10%, it is **26.3451, 23.1593, 18.1497**.

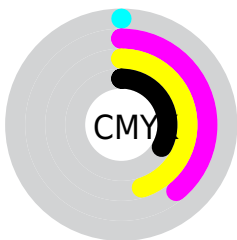
Distribution



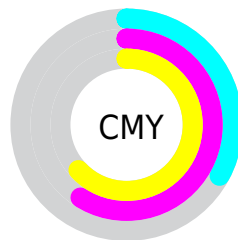
- Red (67%)
- Green (41%)
- Blue (37%)



- Red (67%)
- Yellow (42%)
- Blue (37%)



- Cyan (0%)
- Magenta (39%)
- Yellow (45%)
- Black (33%)



- Cyan (33%)
- Magenta (59%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8665, 19.5692, 13.1090 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 23.8665, 19.5692, 13.1090 by changing the saturation by 10% instead.

■ 23.8665, 19.5692,
13.1090

■ 23.8665, 19.5692,
13.1090

264.5979,
249.5733, 222.8474

■ 15.3588, 12.0823,
7.3720

■ 49.2685, 42.6937,
32.1935

■ 9.1596, 6.7997,
3.6139

■ 66.8936, 59.1001,
46.3782

■ 4.9033, 3.3372,
1.4160

■ 88.2885, 79.2485,
64.2158

■ 2.2248, 1.3102,
0.1542

■ 113.8185,
103.5232, 86.1249

■ 0.7558, 0.1491,
0.0000

143.8492,
132.3086, 112.5241

■ 0.0000, 0.0000,
0.0000

178.7457,

165.9892, 143.8319

218.8735,
204.9493, 180.4668

■ 23.8665, 19.5692,
13.1090

■ 23.8665, 19.5692,
13.1090

■ 21.8162, 16.5636,
9.0501

■ 26.3451, 23.1593,
18.1497

■ 20.1682, 14.1086,
5.9077

■ 29.2730, 27.3597,
24.2295

■ 18.8958, 12.1715,
3.6103

■ 32.6718, 32.1980,
31.4027

■ 17.9684, 10.7145,
2.0751

■ 36.5611, 37.6993,
39.7192

■ 17.3502, 9.6947,
1.2009

■ 40.9593, 43.8875,
49.2262

■ 17.1302, 9.3293,
0.8979

■ 45.8840, 50.7851,
59.9679

■ 51.3520, 58.4138,
71.9865

■ 57.3791, 66.7940,
85.3221

■ 63.9807, 75.9457,
100.0130

Harmonies

Analogous

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



25.0919, 19.5692, 19.9844



23.8665, 19.5692, 13.1090



21.2347, 19.5692, 9.4355

Triad

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



23.8665, 19.5692, 13.1090



13.7814, 19.5692, 14.8762



19.0758, 19.5692, 42.8633

Complementary

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



23.8665, 19.5692, 13.1090



24.5369, 30.4602, 43.1141

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.



16.1927, 19.5692, 40.4081



23.8665, 19.5692, 13.1090



13.3371, 19.5692, 22.6878

Square

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



23.8665, 19.5692, 13.1090



15.4588, 19.5692, 10.2427



14.1714, 19.5692, 32.3631



22.1401, 19.5692, 38.3726

Rectangle

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



23.8665, 19.5692, 13.1090



19.1576, 19.5692, 8.5628



14.1714, 19.5692, 32.3631



18.0532, 19.5692, 42.8313

Sweetspot

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



23.8670, 19.5702, 13.1094



59.0259, 58.3915, 57.3294



27.2068, 19.2273, 35.8723



12.8583, 12.5892, 12.1375



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.



23.8670, 19.5702, 13.1094



39.0963, 29.7007, 16.2558



28.6024, 29.0410, 14.6878



8.0942, 8.1932, 8.3682



12.9381, 7.0817, 0.6850



0.3878, 0.2528, 0.0283

Inverse Universe

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



24.5369, 30.4602, 43.1141



40.4167, 51.6270, 76.8367



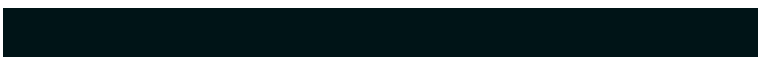
18.9551, 19.2965, 41.2535



8.1373, 8.8740, 10.2367



13.3849, 17.9037, 31.7948



0.3985, 0.5504, 0.8932

Previews

White Background



This preview shows how the XYZ color 23.8665, 19.5692, 13.1090 looks on a white background.

Color Contrast Check

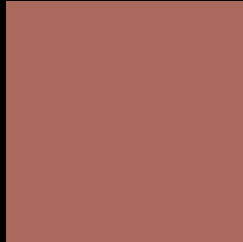
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8665, 19.5692, 13.1090 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 23.8665, 19.5692, 13.1090

Background



This preview shows how black text looks on a background with the XYZ color 23.8665, 19.5692, 13.1090.



This preview shows how white text looks on a background with the XYZ color 23.8665, 19.5692,

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

23.8665, 19.5692, 13.1090

Protanopia

18.5637, 19.6242, 15.3798

Deuteranopia

20.0873, 19.7493, 12.8785



Tritanopia

24.6780, 19.5969, 17.2338

Trichromacy



Original Color

23.8665, 19.5692, 13.1090

Protanomaly

20.1746, 19.4114, 14.4878

Deuteranomaly

21.2073, 19.4706, 12.9964

Tritanomaly

24.4623, 19.6708, 15.6042

Monochromacy



Original Color

23.8665, 19.5692, 13.1090

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.9852, 19.2361, 17.9888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8665, 19.5692, 13.1090 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(171, 105, 94)` looks like.

```
.text, #text, p{  
    color:rgb(171, 105, 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(171, 105, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 105, 94) }
```

Border

The CSS property to change the border of an element to XYZ 23.8665, 19.5692, 13.1090 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(171, 105, 94) }
```


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

```
.border{ border-color:rgb(171, 105, 94) }
```

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

Here you see how a box with a 4 pixel rgb(171, 105, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 105, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 105, 94);  
box-shadow:4px 4px 4px 4px rgb(171, 105,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8665, 19.5692, 13.1090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 105, 94) }
```

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

```
.background{ background-color: rgb(171,  
105, 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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