

Converting Colors

XYZ(23.1693, 21.1405, 17.7150)

Have a look what the booklet for
XYZ(23.1693, 21.1405, 17.7150)
contains.

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Color

**XYZ(23.0804, 21.0165,
17.5920)**

Conversions

Conversions Part 1

Format	Color
Hex	9D756E
RGB	157, 117, 110
RGB Percent	62%, 46%, 43%
CMY	0.3843, 0.5412, 0.5686
CMYK	0.00, 0.25, 0.30, 0.38
HSL	9°, 19%, 52%
HSV	9°, 30%, 62%
XYZ	23.0804, 21.0165, 17.5920
YIQ	128.1620, 26.0870, 6.3030

Conversions

Conversions Part 2

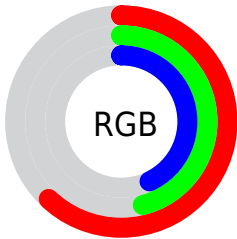
Format	Color
R_{YB}	157, 118, 110
Decimal	10319214
CIE _{Lab}	52.97, 14.67, 9.98
CIE _{LCh}	53, 17.740, 34.232
Yxy	21.0165, 0.3741, 0.3407
Android (android.graphics.Color)	4288509294 (0xFF9D756E)
YUV	128.1620, -8.9539, 25.2909
Hunter-Lab	45.8438, 9.6407, 9.3388

Details

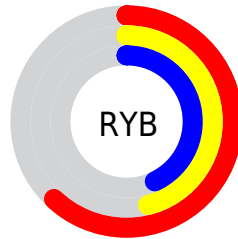
The XYZ color **23.0804, 21.0165, 17.5920** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.4222, 27.5611, 35.9837**, and the grayscale version is **20.5983, 21.6710, 23.5997**.

A 20% lighter version of the original color is **47.8609, 44.9816, 40.3422**, and **8.7065, 7.5471, 5.5553** is the 20% darker color. If you saturate the color by 10%, you get **20.8531, 17.8107, 12.9994**, and if you desaturate by 10%, it is **25.6825, 24.7293, 23.0573**.

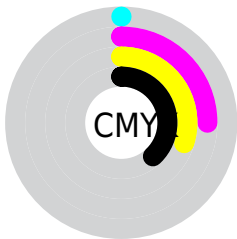
Distribution



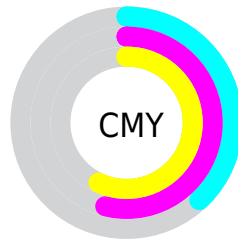
- Red (62%)
- Green (46%)
- Blue (43%)



- Red (62%)
- Yellow (46%)
- Blue (43%)



- Cyan (0%)
- Magenta (25%)
- Yellow (30%)
- Black (38%)





- Cyan (38%)
- Magenta (54%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.0804, 21.0165, 17.5920 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 23.0804, 21.0165, 17.5920 by changing the saturation by 10% instead.


 23.0804, 21.0165,
17.5920


 23.0804, 21.0165,
17.5920


260.6653,
257.3662, 250.7196


 14.7739, 13.1361,
10.4911


 47.9910, 45.1150,
40.1454


 8.7461, 7.5223,
5.6159


 65.3258, 62.1018,
56.4349

 4.6318, 3.7908,
2.5480

 86.4008, 82.8929,
76.6243

 2.0654, 1.5573,
0.8654

 111.5812,
107.8727, 101.1323

 0.6703, 0.3285,
0.0000

141.2326,
137.4255, 130.3772

 0.0000, 0.0000,
0.0000

175.7201,

171.9358, 164.7777

215.4093,
211.7878, 204.7523

■ 23.0804, 21.0165,
17.5920

■ 23.0804, 21.0165,
17.5920

■ 20.8531, 17.8107,
12.9994

■ 25.6825, 24.7293,
23.0573

■ 18.9815, 15.0870,
9.2329

■ 28.6740, 28.9666,
29.4359

■ 17.4475, 12.8228,
6.2436

■ 32.0706, 33.7489,
36.7674

■ 16.2306, 10.9925,
3.9770

■ 35.8868, 39.0947,
45.0889

■ 15.3079, 9.5682,
2.3712

■ 40.1363, 45.0215,
54.4353

■ 14.6533, 8.5182,
1.3543

■ 44.8322, 51.5462,
64.8398

■ 14.2212, 7.8004,
0.7590

■ 49.9871, 58.6847,
76.3342

■ 14.2189, 7.7967,
0.7555

■ 55.6129, 66.4527,
88.9489

■ 61.7213, 74.8652,
102.7132

Harmonies

Analogous

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



23.7583, 21.0165, 22.1359



23.0804, 21.0165, 17.5920



21.5709, 21.0165, 14.8438

Triad

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



23.0804, 21.0165, 17.5920



16.9250, 21.0165, 18.7136



20.2406, 21.0165, 34.6920

Complementary

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



23.0804, 21.0165, 17.5920



23.4222, 27.5611, 35.9837

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.



18.4609, 21.0165, 33.4013



23.0804, 21.0165, 17.5920



16.6173, 21.0165, 23.6475

Square

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



23.0804, 21.0165, 17.5920



18.0306, 21.0165, 15.4174



17.1624, 21.0165, 29.1418



22.0556, 21.0165, 32.4381

Rectangle

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



23.0804, 21.0165, 17.5920



20.3371, 21.0165, 14.1313



17.1624, 21.0165, 29.1418



19.6183, 21.0165, 34.6605

Sweetspot

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



23.0810, 21.0175, 17.5924



51.7901, 52.4945, 53.6568



25.0450, 20.5459, 31.8106



11.2247, 11.3091, 11.4391



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.0810, 21.0175, 17.5924



38.5680, 33.6626, 25.7815



26.0633, 26.9821, 18.5865



6.7089, 6.7978, 6.9442



11.5664, 6.3684, 0.6196



0.2267, 0.1536, 0.0177

Inverse Universe

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



23.4222, 27.5611, 35.9837



39.2737, 47.3150, 64.1895



20.1360, 20.9887, 34.8883



6.7376, 7.3409, 8.4685



11.8437, 15.7790, 28.3287



0.2326, 0.3237, 0.5135

Previews

White Background



This preview shows how the XYZ color 23.0804, 21.0165, 17.5920 looks on a white background.

Color Contrast Check

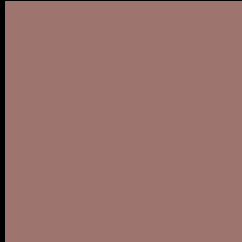
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0804, 21.0165, 17.5920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

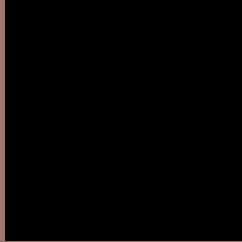
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.0804, 21.0165, 17.5920

Background



This preview shows how black text looks on a background with the XYZ color 23.0804, 21.0165, 17.5920.



This preview shows how white text looks on a background with the XYZ color 23.0804, 21.0165,

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

23.0804, 21.0165, 17.5920

Protanopia

20.0711, 21.0650, 19.2278

Deuteranopia

21.3969, 21.0429, 17.4020



Tritanopia

23.8694, 20.9858, 21.8614

Trichromacy



Original Color

23.0804, 21.0165, 17.5920

Protanomaly

21.0481, 21.0209, 18.5709

Deuteranomaly

21.8712, 20.9266, 17.3545

Tritanomaly

23.6757, 21.0918, 20.2760

Monochromacy



Original Color

23.0804, 21.0165, 17.5920

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.3063, 21.2847, 21.0746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0804, 21.0165, 17.5920 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(157, 117, 110)` looks like.

```
.text, #text, p{  
    color:rgb(157, 117, 110)  
}
```

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(157, 117, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 117, 110) }
```

Border

The CSS property to change the border of an element to XYZ 23.0804, 21.0165, 17.5920 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(157, 117, 110) }
```


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

```
.border{ border-color:rgb(157, 117, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 117, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 117, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 117, 110);  
box-shadow:4px 4px 4px 4px rgb(157, 117,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0804, 21.0165, 17.5920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 117, 110) }
```

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

```
.background{ background-color: rgb(157,  
117, 110) }
```

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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