

Converting Colors

XYZ(23.7340, 20.1504, 13.2868)

Have a look what the booklet for
XYZ(23.7340, 20.1504, 13.2868)
contains.

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Color

**XYZ(23.6375, 20.0703,
13.2178)**

Conversions

Conversions Part 1

Format	Color
Hex	A86D5E
RGB	168, 109, 94
RGB Percent	66%, 43%, 37%
CMY	0.3412, 0.5725, 0.6314
CMYK	0.00, 0.35, 0.44, 0.34
HSL	12°, 30%, 51%
HSV	12°, 44%, 66%
XYZ	23.6375, 20.0703, 13.2178
YIQ	124.9310, 39.9790, 7.8430

Conversions

Conversions Part 2

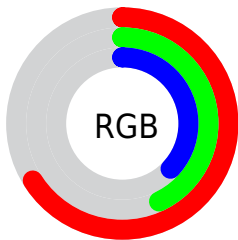
Format	Color
R_{YB}	168, 113, 94
Decimal	11038046
CIE _{Lab}	51.92, 21.69, 18.07
CIE _{LCh}	52, 28.227, 39.800
Yxy	20.0703, 0.4152, 0.3526
Android (android.graphics.Color)	4289228126 (0xFFA86D5E)
YUV	124.9310, -15.2490, 37.7715
Hunter-Lab	44.7999, 15.7811, 13.8669

Details

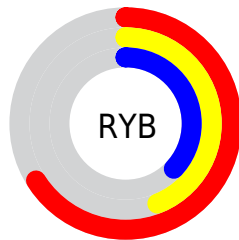
The XYZ color **23.6375, 20.0703, 13.2178** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.0747, 27.9881, 41.2318**, and the grayscale version is **19.5105, 20.5266, 22.3535**.

A 20% lighter version of the original color is **48.8302, 43.5109, 32.2104**, and **9.0123, 7.0616, 3.6843** is the 20% darker color. If you saturate the color by 10%, you get **21.6426, 17.1584, 9.2297**, and if you desaturate by 10%, it is **26.0153, 23.4853, 18.1435**.

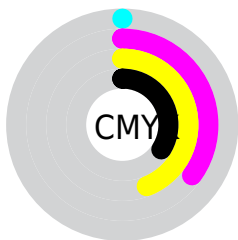
Distribution



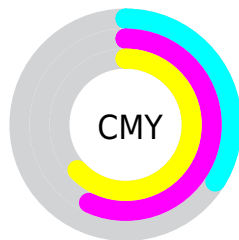
- Red (66%)
- Green (43%)
- Blue (37%)



- Red (66%)
- Yellow (44%)
- Blue (37%)



- Cyan (0%)
- Magenta (35%)
- Yellow (44%)
- Black (34%)




- Cyan (34%)
- Magenta (57%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6375, 20.0703, 13.2178 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 23.6375, 20.0703, 13.2178 by changing the saturation by 10% instead.


 23.6375, 20.0703,
13.2178


 23.6375, 20.0703,
13.2178


263.4573,
252.2954, 223.5655


 15.1882, 12.4462,
7.4462


 48.8970, 43.5350,
32.3914


 9.0388, 7.0483,
3.6600


 66.4379, 60.1444,
46.6305

 4.8238, 3.4923,
1.4408

 87.7401, 80.5176,
64.5292

 2.1779, 1.3938,
0.1732

 113.1689,
105.0391, 86.5061

 0.7311, 0.2122,
0.0000

143.0896,
134.0932, 112.9796

 0.0000, 0.0000,
0.0000

177.8677,

168.0644, 144.3683

217.8685,
207.3370, 181.0907

■ 23.6375, 20.0703,
13.2178

■ 23.6375, 20.0703,
13.2178

■ 21.6426, 17.1584,
9.2297

■ 26.0153, 23.4853,
18.1435

■ 20.0084, 14.7228,
6.1180

■ 28.7934, 27.4227,
24.0602

■ 18.7129, 12.7383,
3.8162

■ 31.9901, 31.9045,
31.0186


■ 17.7307, 11.1764,
2.2476


■ 35.6218, 36.9504,
39.0659


■ 17.0325, 10.0052,
1.3207

■ 39.7045, 42.5794,
48.2460

 16.7223, 9.4725,
0.9470

 44.2529, 48.8092,
58.6006

 49.2812, 55.6570,
70.1692

 54.8032, 63.1394,
82.9896

 60.8317, 71.2720,
97.0978

Harmonies

Analogous

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



25.0468, 20.0703, 19.2721



23.6375, 20.0703, 13.2178



21.0457, 20.0703, 10.1240

Triad

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



23.6375, 20.0703, 13.2178



14.3520, 20.0703, 16.8379



20.0310, 20.0703, 41.4180

Complementary

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



23.6375, 20.0703, 13.2178



23.0747, 27.9881, 41.2318

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.



17.2336, 20.0703, 40.2929



23.6375, 20.0703, 13.2178



14.1389, 20.0703, 24.6550

Square

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



23.6375, 20.0703, 13.2178



15.7575, 20.0703, 11.8214



15.1431, 20.0703, 33.6103



22.8309, 20.0703, 36.3821

Rectangle

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



23.6375, 20.0703, 13.2178



19.0955, 20.0703, 9.5531



15.1431, 20.0703, 33.6103



19.0570, 20.0703, 41.7721

Sweetspot

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



23.6380, 20.0713, 13.2182



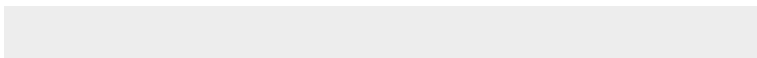
58.5538, 58.5972, 57.3940



25.9175, 18.6369, 32.4550



12.4756, 12.3716, 11.8799



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.6380, 20.0713, 13.2182



39.2981, 31.1725, 16.7963



28.4170, 29.6292, 14.8112



7.6498, 7.7796, 7.8877



12.6586, 7.2145, 0.7254



0.3416, 0.2427, 0.0289

Inverse Universe

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



23.0747, 27.9881, 41.2318



38.1073, 47.3779, 74.3615



17.9526, 17.7440, 39.5245



7.6165, 8.2699, 9.6132



11.8055, 15.0712, 30.2623



0.3191, 0.4304, 0.7469

Previews

White Background



This preview shows how the XYZ color 23.6375, 20.0703, 13.2178 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 23.6375, 20.0703, 13.2178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

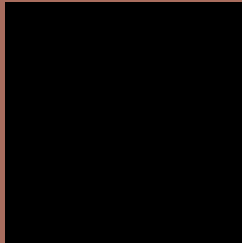
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6375, 20.0703, 13.2178

Background



This preview shows how black text looks on a background with the XYZ color 23.6375, 20.0703, 13.2178.



This preview shows how white text looks on a background with the XYZ color 23.6375, 20.0703,

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

23.6375, 20.0703, 13.2178

Protanopia

19.0723, 20.2604, 15.2174

Deuteranopia

20.5612, 20.1694, 12.9346



Tritanopia

24.7689, 20.0690, 18.4878

Trichromacy



Original Color

23.6375, 20.0703, 13.2178

Protanomaly

20.4785, 20.0952, 14.3547

Deuteranomaly

21.6241, 20.0203, 13.0805

Tritanomaly

24.2737, 20.0119, 16.4932

Monochromacy



Original Color

23.6375, 20.0703, 13.2178

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.6186, 20.0713, 18.7070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6375, 20.0703, 13.2178 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(168, 109, 94)` looks like.

```
.text, #text, p{  
    color:rgb(168, 109, 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(168, 109, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 109, 94) }
```

Border

The CSS property to change the border of an element to XYZ 23.6375, 20.0703, 13.2178 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(168, 109, 94) }
```


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

```
.border{ border-color:rgb(168, 109, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 109, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 109, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 109, 94);  
box-shadow:4px 4px 4px 4px rgb(168, 109,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6375, 20.0703, 13.2178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 109, 94) }
```

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

```
.background{ background-color: rgb(168,  
109, 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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