

Converting Colors

XYZ(23.4281, 21.3757, 21.2535)

Have a look what the booklet for
XYZ(23.4281, 21.3757, 21.2535)
contains.

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Color

**XYZ(23.3177, 21.2320,
21.2816)**

Conversions

Conversions Part 1

Format	Color
Hex	9A767A
RGB	154, 118, 122
RGB Percent	60%, 46%, 48%
CMY	0.3961, 0.5372, 0.5216
CMYK	0.00, 0.23, 0.21, 0.40
HSL	353°, 15%, 53%
HSV	353°, 23%, 60%
XYZ	23.3177, 21.2320, 21.2816
YIQ	129.2200, 20.1720, 8.8760

Conversions

Conversions Part 2

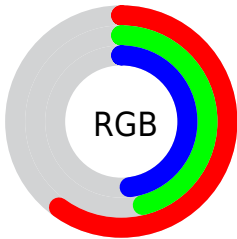
Format	Color
R_{YB}	154, 118, 122
Decimal	10122874
CIE _{Lab}	53.20, 14.72, 3.25
CIE _{LCh}	53, 15.073, 12.440
Yxy	21.2320, 0.3542, 0.3225
Android (android.graphics.Color)	4288312954 (0xFF9A767A)
YUV	129.2200, -3.5595, 21.7321
Hunter-Lab	46.0782, 9.6924, 4.8712

Details

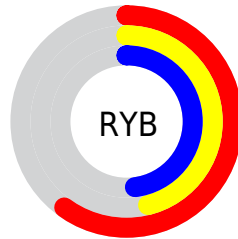
The XYZ color **23.3177, 21.2320, 21.2816** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.5327, 29.1653, 33.1919**, and the grayscale version is **20.9509, 22.0420, 24.0038**.

A 20% lighter version of the original color is **48.3092, 45.3608, 46.2537**, and **8.8102, 7.5621, 7.2986** is the 20% darker color. If you saturate the color by 10%, you get **20.8608, 17.5812, 16.5683**, and if you desaturate by 10%, it is **26.1914, 25.5247, 26.7239**.

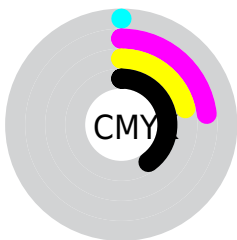
Distribution



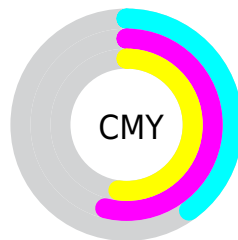
- Red (60%)
- Green (46%)
- Blue (48%)



- Red (60%)
- Yellow (46%)
- Blue (48%)



- Cyan (0%)
- Magenta (23%)
- Yellow (21%)
- Black (40%)



- Cyan (40%)
- Magenta (54%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3177, 21.2320, 21.2816 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 23.3177, 21.2320, 21.2816 by changing the saturation by 10% instead.


 23.3177, 21.2320,
21.2816


 23.3177, 21.2320,
21.2816


261.8576,
258.5089, 271.6013


 14.9503, 13.2937,
13.1368


 48.3773, 45.4733,
46.4426

 8.8706, 7.6311,
7.3909


 65.8002, 62.5451,
64.2958

 4.7133, 3.8598,
3.6256


 86.9722, 83.4302,
86.2222

 2.1131, 1.5955,
1.4223

112.2588,
108.5130, 112.6404

 0.6963, 0.3545,
0.1590

142.0252,
138.1779, 143.9688

 0.0000, 0.0000,
0.0000

176.6370,

172.8092, 180.6261

216.4593,
212.7914, 223.0308

■ 23.3177, 21.2320,
21.2816

■ 23.3177, 21.2320,
21.2816

■ 20.8608, 17.5812,
16.5683

■ 26.1914, 25.5247,
26.7239

■ 18.7996, 14.5388,
12.5518

■ 29.4982, 30.4850,
32.9229

■ 17.1138, 12.0725,
9.1993

■ 33.2557, 36.1409,
39.9067


■ 15.7807, 10.1458,
6.4748

■ 37.4799, 42.5177,
47.7014


■ 14.7749, 8.7183,
4.3391


■ 42.1861, 49.6395,
56.3318


 14.0678, 7.7437,
2.7484

 47.3889, 57.5294,
65.8218

 13.6256, 7.1669,
1.6526

 53.1023, 66.2093,
76.1944

 13.4285, 6.9109,
1.1606

 59.3397, 75.7005,
87.4715

 65.6001, 84.9955,
99.5030

Harmonies

Analogous

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



23.2399, 21.2320, 25.8636



23.3177, 21.2320, 21.2816



22.5234, 21.2320, 17.6953

Triad

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



23.3177, 21.2320, 21.2816



18.1855, 21.2320, 17.2362



19.2714, 21.2320, 32.5178

Complementary

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



23.3177, 21.2320, 21.2816



24.5327, 29.1653, 33.1919

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.



18.0058, 21.2320, 29.5488



23.3177, 21.2320, 21.2816



17.4019, 21.2320, 20.5740

Square

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



23.3177, 21.2320, 21.2816



19.5285, 21.2320, 15.5742



17.3379, 21.2320, 25.0572



20.8466, 21.2320, 32.7729

Rectangle

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



23.3177, 21.2320, 21.2816



21.6292, 21.2320, 16.1881



17.3379, 21.2320, 25.0572



18.7977, 21.2320, 31.7878

Sweetspot

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



23.3183, 21.2330, 21.2820



51.2289, 51.8391, 55.4013



24.8527, 21.7560, 33.4615



11.5220, 11.6234, 12.4023



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.



23.3183, 21.2330, 21.2820



39.9516, 34.9886, 34.0571



24.8212, 24.6272, 20.5860



6.2353, 6.2333, 6.6192



10.9478, 5.6333, 0.9840



0.1701, 0.0868, 0.0484

Inverse Universe

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



23.3183, 21.2330, 21.2820



39.9516, 34.9886, 34.0571



22.7121, 25.0001, 34.2005



6.2353, 6.2333, 6.6192



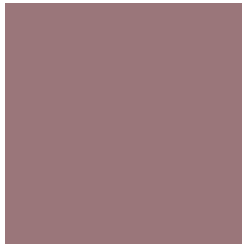
10.9478, 5.6333, 0.9840



0.1701, 0.0868, 0.0484

Previews

White Background



This preview shows how the XYZ color 23.3177, 21.2320, 21.2816 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 23.3177, 21.2320, 21.2816 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 23.3177, 21.2320, 21.2816

Background



This preview shows how black text looks on a background with the XYZ color 23.3177, 21.2320, 21.2816.



This preview shows how white text looks on a background with the XYZ color 23.3177, 21.2320,

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

23.3177, 21.2320, 21.2816

Protanopia

20.6261, 21.4569, 23.1332

Deuteranopia

21.6895, 21.2972, 21.0568



Tritanopia

23.6448, 21.1975, 22.5840

Trichromacy



Original Color

23.3177, 21.2320, 21.2816

Protanomaly

21.5568, 21.3849, 22.3936

Deuteranomaly

22.1426, 21.1662, 21.0076

Tritanomaly

23.5805, 21.1718, 22.2458

Monochromacy



Original Color

23.3177, 21.2320, 21.2816

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.5807, 21.5769, 22.7660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3177, 21.2320, 21.2816 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(154, 118, 122)` looks like.

```
.text, #text, p{  
    color:rgb(154, 118, 122)  
}
```

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(154, 118, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 118, 122) }
```

Border

The CSS property to change the border of an element to XYZ 23.3177, 21.2320, 21.2816 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(154, 118, 122) }
```


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

```
.border{ border-color:rgb(154, 118, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 118, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 118, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 118, 122);  
box-shadow:4px 4px 4px 4px rgb(154, 118,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3177, 21.2320, 21.2816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 118, 122) }
```

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

```
.background{ background-color: rgb(154,  
118, 122) }
```

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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