

Converting Colors

XYZ(23.3951, 23.2772, 17.0598)

Have a look what the booklet for
XYZ(23.3951, 23.2772, 17.0598)
contains.

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Color

**XYZ(23.3219, 23.1753,
17.1540)**

Conversions

Conversions Part 1

Format	Color
Hex	98806B
RGB	152, 128, 107
RGB Percent	60%, 50%, 42%
CMY	0.4039, 0.4980, 0.5804
CMYK	0.00, 0.16, 0.30, 0.40
HSL	28°, 18%, 51%
HSV	28°, 30%, 60%
XYZ	23.3219, 23.1753, 17.1540
YIQ	132.7820, 21.0450, -1.4430

Conversions

Conversions Part 2

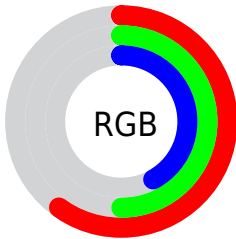
Format	Color
R_{YB}	152, 146, 107
Decimal	9994347
CIE _{Lab}	55.25, 5.90, 14.83
CIE _{LCh}	55, 15.962, 68.299
Yxy	23.1753, 0.3664, 0.3641
Android (android.graphics.Color)	4288184427 (0xFF98806B)
YUV	132.7820, -12.7105, 16.8542
Hunter-Lab	48.1407, 2.2285, 12.5717

Details

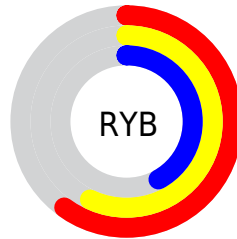
The XYZ color **23.3219, 23.1753, 17.1540** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.8469, 21.6247, 32.8337**, and the grayscale version is **22.2549, 23.4139, 25.4978**.

A 20% lighter version of the original color is **48.4276, 48.7818, 39.2112**, and **8.8671, 8.6275, 5.4729** is the 20% darker color. If you saturate the color by 10%, you get **21.5763, 20.8532, 12.9676**, and if you desaturate by 10%, it is **25.2938, 25.7247, 22.1100**.

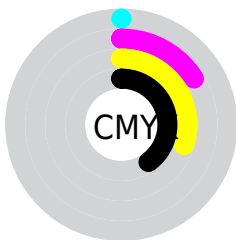
Distribution



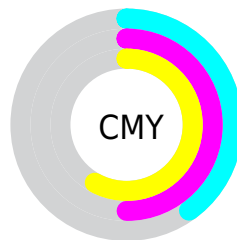
- Red (60%)
- Green (50%)
- Blue (42%)



- Red (60%)
- Yellow (57%)
- Blue (42%)



- Cyan (0%)
- Magenta (16%)
- Yellow (30%)
- Black (40%)



- Cyan (40%)
- Magenta (50%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3219, 23.1753, 17.1540 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 23.3219, 23.1753, 17.1540 by changing the saturation by 10% instead.

■ 23.3219, 23.1753,
17.1540

■ 23.3219, 23.1753,
17.1540

261.8786,
268.6241, 248.1322

■ 14.9534, 14.7230,
10.1812

■ 48.3841, 48.6810,
39.3846

■ 8.8728, 8.6252,
5.4121

■ 65.8085, 66.5032,
55.4796

■ 4.7147, 4.4975,
2.4281

■ 86.9823, 88.2175,
75.4524

■ 2.1139, 1.9556,
0.8017

■ 112.2707,
114.2083, 99.7215

■ 0.6968, 0.5815,
0.0000

142.0392,
144.8599, 128.7055

■ 0.0000, 0.0000,
0.0000

176.6532,

180.5568, 162.8229

216.4778,
221.6834, 202.4923

■ 23.3219, 23.1753,
17.1540

■ 23.3219, 23.1753,
17.1540

■ 21.5763, 20.8532,
12.9676

■ 25.2938, 25.7247,
22.1100

■ 20.0458, 18.7483,
9.5098

■ 27.4990, 28.5048,
27.8707

■ 18.7210, 16.8545,
6.7383

■ 29.9461, 31.5228,
34.4707

■ 17.5909, 15.1639,
4.6054

■ 32.6431, 34.7847,
41.9424

■ 16.6431, 13.6682,
3.0574

■ 35.5972, 38.2963,
50.3161

■ 15.8638, 12.3579,
2.0316

■ 38.8157, 42.0630,
59.6210

■ 15.2224, 11.2170,
1.3801

■ 42.3053, 46.0902,
69.8846

■ 15.1986, 11.1749,
1.3559

■ 46.0725, 50.3831,
81.1337

■ 50.1237, 54.9466,
93.3937

Harmonies

Analogous

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



24.8341, 23.1753, 19.6157



23.3219, 23.1753, 17.1540



21.5354, 23.1753, 16.6988

Triad

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



23.3219, 23.1753, 17.1540



18.8008, 23.1753, 26.6805



24.2253, 23.1753, 33.7669

Complementary

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



23.3219, 23.1753, 17.1540



19.8469, 21.6247, 32.8337

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.



22.5269, 23.1753, 36.2719



23.3219, 23.1753, 17.1540



19.4406, 23.1753, 31.8340

Square

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



23.3219, 23.1753, 17.1540



18.9880, 23.1753, 21.7690



20.7818, 23.1753, 35.5204



25.3750, 23.1753, 29.0484

Rectangle

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



23.3219, 23.1753, 17.1540



20.4390, 23.1753, 17.5266



20.7818, 23.1753, 35.5204



23.6960, 23.1753, 34.9229

Sweetspot

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



23.3225, 23.1764, 17.1545



48.7150, 50.5339, 49.6640



22.3035, 18.8297, 23.9319



10.9463, 11.3285, 10.9535



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



23.3225, 23.1764, 17.1545



38.9394, 37.9586, 24.8996



26.5891, 29.7096, 18.2434



6.4346, 6.6742, 6.5549



12.7743, 9.4309, 1.1471



0.2269, 0.2129, 0.0291

Inverse Universe

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



19.8469, 21.6247, 32.8337



31.7192, 34.7332, 57.4661



17.1466, 16.2240, 31.9336



6.1435, 6.5443, 7.8684



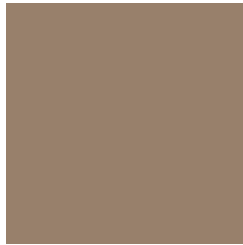
7.2539, 6.9044, 25.8581



0.1448, 0.1760, 0.3987

Previews

White Background



This preview shows how the XYZ color 23.3219, 23.1753, 17.1540 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 23.3219, 23.1753, 17.1540 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 23.3219, 23.1753, 17.1540

Background



This preview shows how black text looks on a background with the XYZ color 23.3219, 23.1753, 17.1540.



This preview shows how white text looks on a background with the XYZ color 23.3219, 23.1753,

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

23.3219, 23.1753, 17.1540

Protanopia

21.8268, 23.1821, 17.7922

Deuteranopia

23.5696, 23.1103, 17.1284



Tritanopia

25.0283, 23.1051, 25.6949

Trichromacy



Original Color

23.3219, 23.1753, 17.1540

Protanomaly

22.3247, 23.2446, 17.4974

Deuteranomaly

23.3801, 23.0126, 17.1195

Tritanomaly

24.2981, 22.9925, 22.2261

Monochromacy



Original Color

23.3219, 23.1753, 17.1540

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.5696, 23.2633, 22.3695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3219, 23.1753, 17.1540 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(152, 128, 107)` looks like.

```
.text, #text, p{  
    color:rgb(152, 128, 107)  
}
```

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(152, 128, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 128, 107) }
```

Border

The CSS property to change the border of an element to XYZ 23.3219, 23.1753, 17.1540 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(152, 128, 107) }
```


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

```
.border{ border-color:rgb(152, 128, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 128, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 128, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 128, 107);  
box-shadow:4px 4px 4px 4px rgb(152, 128,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3219, 23.1753, 17.1540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 128, 107) }
```

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

```
.background{ background-color: rgb(152,  
128, 107) }
```

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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