

Converting Colors

XYZ(22.1660, 23.8732, 7.7966)

Have a look what the booklet for
XYZ(22.1660, 23.8732, 7.7966)
contains.

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Color

**XYZ(22.1787, 23.7874,
7.8374)**

Conversions

Conversions Part 1

Format	Color
Hex	98853D
RGB	152, 133, 61
RGB Percent	60%, 52%, 24%
CMY	0.4039, 0.4784, 0.7608
CMYK	0.00, 0.12, 0.60, 0.40
HSL	47°, 43%, 42%
HSV	47°, 60%, 60%
XYZ	22.1787, 23.7874, 7.8374
YIQ	130.4730, 34.4360, -18.3640

Conversions

Conversions Part 2

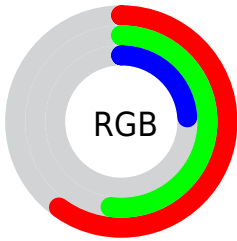
Format	Color
R_{YB}	85, 152, 61
Decimal	9995581
CIE _{Lab}	55.87, -1.98, 40.73
CIE _{LCh}	56, 40.774, 92.782
Yxy	23.7874, 0.4122, 0.4421
Android (android.graphics.Color)	4288185661 (0xFF98853D)
YUV	130.4730, -34.2502, 18.8792
Hunter-Lab	48.7723, -4.1806, 24.6131

Details

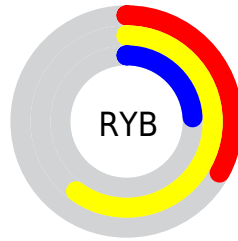
The XYZ color **22.1787, 23.7874, 7.8374** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.4605, 8.9961, 30.8906**, and the grayscale version is **21.4956, 22.6150, 24.6278**.

A 20% lighter version of the original color is **46.4406, 49.6754, 22.1796**, and **8.2621, 8.9592, 1.5810** is the 20% darker color. If you saturate the color by 10%, you get **21.3983, 22.7915, 5.8358**, and if you desaturate by 10%, it is **23.0895, 24.8582, 10.4556**.

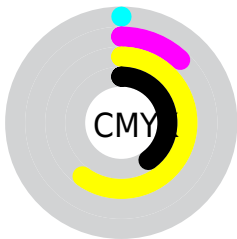
Distribution



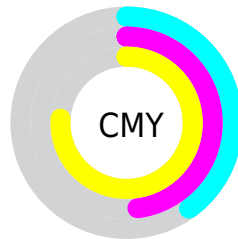
- Red (60%)
- Green (52%)
- Blue (24%)



- Red (33%)
- Yellow (60%)
- Blue (24%)



- Cyan (0%)
- Magenta (12%)
- Yellow (60%)
- Black (40%)



- Cyan (40%)
- Magenta (48%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1787, 23.7874, 7.8374 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 22.1787, 23.7874, 7.8374 by changing the saturation by 10% instead.

■ 22.1787, 23.7874,
7.8374

■ 22.1787, 23.7874,
7.8374

256.0929,
271.7439, 184.3378

■ 14.1056, 15.1760,
3.9048

■ 46.5178, 49.6830,
22.1799

■ 8.2763, 8.9430,
1.5733

■ 63.5146, 67.7361,
33.4270

■ 4.3256, 4.7040,
0.2716

■ 84.2166, 89.7051,
47.9492

■ 1.8879, 2.0747,
0.0000

■ 108.9892,
115.9745, 66.1652

■ 0.5698, 0.6503,
0.0000

■ 138.1978,
146.9287, 88.4936

■ 0.0000, 0.0000,
0.0000

■ 172.2077,

182.9520, 115.3527

211.3843,
224.4290, 147.1613

■ 22.1787, 23.7874,
7.8374

■ 22.1787, 23.7874,
7.8374

■ 21.3983, 22.7915,
5.8358

■ 23.0895, 24.8582,
10.4556

■ 20.7362, 21.8629,
4.3961

■ 24.1379, 26.0044,
13.7359

■ 20.1813, 20.9977,
3.4564

■ 25.3327, 27.2305,
17.7213

■ 19.7040, 20.1841,
2.8632

■ 26.6814, 28.5397,
22.4506

■ 19.6978, 20.1734,
2.8557

■ 28.1910, 29.9349,
27.9599

■ 29.8678, 31.4190,
34.2828

■ 31.7181, 32.9944,
41.4511

■ 33.7477, 34.6638,
49.4948

■ 35.9620, 36.4294,
58.4424

Harmonies

Analogous

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



26.9429, 23.7874, 9.1687



22.1787, 23.7874, 7.8374



18.1120, 23.7874, 9.8038

Triad

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



22.1787, 23.7874, 7.8374



15.9039, 23.7874, 42.3555



31.5130, 23.7874, 39.4417

Complementary

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



22.1787, 23.7874, 7.8374



10.4605, 8.9961, 30.8906

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.



27.7952, 23.7874, 53.8888



22.1787, 23.7874, 7.8374



18.7671, 23.7874, 55.9365

Square

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



22.1787, 23.7874, 7.8374



14.8136, 23.7874, 27.1612



23.0453, 23.7874, 60.7477



32.7491, 23.7874, 24.6793

Rectangle

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



22.1787, 23.7874, 7.8374



16.2194, 23.7874, 13.3102



23.0453, 23.7874, 60.7477



30.4891, 23.7874, 44.6456

Sweetspot

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



22.1793, 23.7885, 7.8379



47.4814, 50.7395, 41.0126



16.0923, 10.6029, 8.9277



10.6364, 11.3853, 8.7643



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.



22.1793, 23.7885, 7.8379



37.3345, 39.6371, 9.2946



20.7067, 27.2453, 8.5827



6.5994, 7.0039, 6.6099



16.5390, 16.9603, 2.4020



0.2718, 0.3027, 0.0441

Inverse Universe

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



10.4605, 8.9961, 30.8906



14.7864, 11.2298, 53.8219



11.2467, 7.6206, 30.5836



5.9838, 6.2250, 7.8151



5.1983, 2.7932, 25.1729



0.0999, 0.0862, 0.3837

Previews

White Background



This preview shows how the XYZ color 22.1787, 23.7874, 7.8374 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 22.1787, 23.7874, 7.8374 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 22.1787, 23.7874, 7.8374

Background



This preview shows how black text looks on a background with the XYZ color 22.1787, 23.7874, 7.8374.



This preview shows how white text looks on a background with the XYZ color 22.1787, 23.7874,

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

22.1787, 23.7874, 7.8374

Protanopia

21.7618, 23.7767, 7.8573

Deuteranopia

24.3146, 23.8931, 7.8877



Tritanopia

25.8073, 23.6856, 26.1333

Trichromacy



Original Color

22.1787, 23.7874, 7.8374

Protanomaly

21.9451, 23.8711, 7.8658

Deuteranomaly

23.5501, 23.8901, 7.9275

Tritanomaly

24.1362, 23.5890, 17.4684

Monochromacy



Original Color

22.1787, 23.7874, 7.8374

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.1473, 22.6558, 16.6230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1787, 23.7874, 7.8374 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, 133, 61)` looks like.

```
.text, #text, p{  
    color:rgb(152, 133, 61)  
}
```

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, 133, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 133, 61) }
```

Border

The CSS property to change the border of an element to XYZ 22.1787, 23.7874, 7.8374 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, 133, 61) }
```


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

```
.border{ border-color:rgb(152, 133, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 133, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 133, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 133, 61);  
box-shadow:4px 4px 4px 4px rgb(152, 133,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1787, 23.7874, 7.8374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 133, 61) }
```

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

```
.background{ background-color: rgb(152,  
133, 61) }
```

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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