

Converting Colors

XYZ(23.7818, 24.0043, 13.8695)

Have a look what the booklet for
XYZ(23.7818, 24.0043, 13.8695)
contains.

XYZ(23.8470, 24.1087, 13.9862)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.8470, 24.1087,
13.9862)**

Conversions

Conversions Part 1

Format	Color
Hex	9C835E
RGB	156, 131, 94
RGB Percent	61%, 51%, 37%
CMY	0.3882, 0.4863, 0.6314
CMYK	0.00, 0.16, 0.40, 0.39
HSL	36°, 25%, 49%
HSV	36°, 40%, 61%
XYZ	23.8470, 24.1087, 13.9862
YIQ	134.2570, 26.7770, -6.2070

Conversions

Conversions Part 2

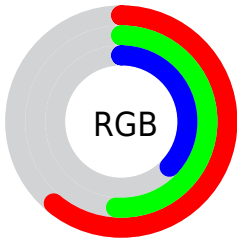
Format	Color
RYB	136, 156, 94
Decimal	10257246
CIELab	56.20, 4.16, 23.56
CIELCh	56, 23.930, 79.977
Yxy	24.1087, 0.3850, 0.3892
Android (android.graphics.Color)	4288447326 (0xFF9C835E)
YUV	134.2570, -19.8467, 19.0686
Hunter-Lab	49.1006, 0.7671, 17.4818

Details

The XYZ color **23.8470, 24.1087, 13.9862** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.2134, 17.9730, 34.0144**, and the grayscale version is **22.8190, 24.0073, 26.1440**.

A 20% lighter version of the original color is **49.4027, 50.3224, 33.8974**, and **9.1239, 9.1234, 3.9694** is the 20% darker color. If you saturate the color by 10%, you get **22.3974, 22.2189, 10.3916**, and if you desaturate by 10%, it is **25.4906, 26.1600, 18.3441**.

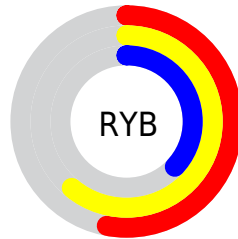
Distribution



Red (61%)

Green (51%)

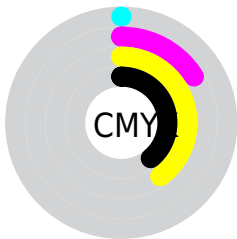
Blue (37%)



Red (53%)

Yellow (61%)

Blue (37%)

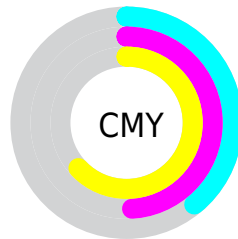


Cyan (0%)

Magenta (16%)

Yellow (40%)

Black (39%)



Cyan (39%)

Magenta (49%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8470, 24.1087, 13.9862 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 23.8470, 24.1087, 13.9862 by changing the saturation by 10% instead.

■ 23.8470, 24.1087,
13.9862

■ 23.8470, 24.1087,
13.9862

264.5009,
273.3696, 228.5704

■ 15.3443, 15.4143,
7.9724

■ 49.2369, 50.2075,
33.7813

■ 9.1493, 9.1106,
3.9898

■ 66.8548, 68.3807,
48.3997

■ 4.8966, 4.8134,
1.6197

■ 88.2418, 90.4823,
66.7235

■ 2.2208, 2.1382,
0.3048

■ 113.7633,
116.8966, 89.1710

■ 0.7537, 0.6860,
0.0000

143.7846,
148.0081, 116.1609

■ 0.0000, 0.0000,
0.0000

178.6710,

184.2012, 148.1118

218.7880,
225.8602, 185.4421

■ 23.8470, 24.1087,
13.9862

■ 23.8470, 24.1087,
13.9862

■ 22.3974, 22.2189,
10.3916

■ 25.4906, 26.1600,
18.3441

■ 21.1306, 20.4819,
7.5132

■ 27.3351, 28.3742,
23.5055

■ 20.0367, 18.8932,
5.3013

■ 29.3892, 30.7571,
29.5095

■ 19.1039, 17.4465,
3.6989

■ 31.6607, 33.3131,
36.3922

■ 18.3187, 16.1350,
2.6391

■ 34.1568, 36.0464,
44.1877

■ 17.6504, 14.9446,
1.9658

■ 36.8842, 38.9611,
52.9281

■ 17.6340, 14.9153,
1.9495

■ 39.8496, 42.0609,
62.6439

■ 43.0592, 45.3497,
73.3646

■ 46.5190, 48.8310,
85.1179

Harmonies

Analogous

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



26.4850, 24.1087, 16.2798



23.8470, 24.1087, 13.9862



21.1556, 24.1087, 14.4378

Triad

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



23.8470, 24.1087, 13.9862



18.2969, 24.1087, 31.7696



27.2058, 24.1087, 37.2396

Complementary

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



23.8470, 24.1087, 13.9862



17.2134, 17.9730, 34.0144

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.



24.7684, 24.1087, 43.2042



23.8470, 24.1087, 13.9862



19.6804, 24.1087, 39.6343

Square

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



23.8470, 24.1087, 13.9862



18.0933, 24.1087, 23.7025



22.0068, 24.1087, 44.1589



28.5243, 24.1087, 28.9743

Rectangle

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



23.8470, 24.1087, 13.9862



19.6833, 24.1087, 16.2741



22.0068, 24.1087, 44.1589



26.4814, 24.1087, 39.6446

Sweetspot

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



23.8476, 24.1098, 13.9867



52.4121, 54.7548, 50.7304



21.0932, 16.4256, 19.7752



11.4344, 11.9348, 10.8728



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.



23.8476, 24.1098, 13.9867



40.8766, 40.6178, 19.3431



26.6405, 31.1485, 15.1981



6.9456, 7.2712, 7.0231



14.5596, 12.3548, 1.6173



0.3010, 0.3023, 0.0425

Inverse Universe

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



17.2134, 17.9730, 34.0144



27.0633, 27.8505, 61.0760



15.1675, 13.0680, 33.1755



6.4933, 6.8523, 8.3871



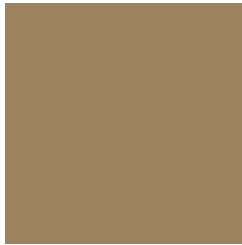
6.4344, 4.9603, 26.5255



0.1553, 0.1693, 0.4877

Previews

White Background



This preview shows how the XYZ color 23.8470, 24.1087, 13.9862 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 23.8470, 24.1087, 13.9862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

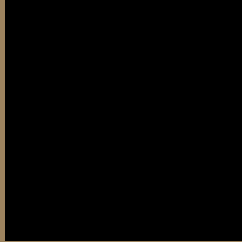
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.8470, 24.1087, 13.9862

Background



This preview shows how black text looks on a background with the XYZ color 23.8470, 24.1087, 13.9862.



This preview shows how white text looks on a background with the XYZ color 23.8470, 24.1087,

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

23.8470, 24.1087, 13.9862

Protanopia

22.4523, 24.1922, 14.5525

Deuteranopia

24.5686, 24.0857, 13.9438



Tritanopia

26.3312, 24.1446, 26.1942

Trichromacy



Original Color

23.8470, 24.1087, 13.9862

Protanomaly

22.9851, 24.2660, 14.2988

Deuteranomaly

24.3011, 24.1443, 13.9692

Tritanomaly

25.4074, 24.1653, 21.0946

Monochromacy



Original Color

23.8470, 24.1087, 13.9862

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.8726, 23.8578, 20.8523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8470, 24.1087, 13.9862 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(156, 131, 94)` looks like.

```
.text, #text, p{  
    color:rgb(156, 131, 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(156, 131, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 131, 94) }
```

Border

The CSS property to change the border of an element to XYZ 23.8470, 24.1087, 13.9862 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(156, 131, 94) }
```


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

```
.border{ border-color:rgb(156, 131, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 131, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 131, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 131, 94);  
box-shadow:4px 4px 4px 4px rgb(156, 131,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8470, 24.1087, 13.9862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 131, 94) }
```

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

```
.background{ background-color: rgb(156,  
131, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor