

Converting Colors

XYZ(23.8909, 23.4286, 14.6072)

Have a look what the booklet for
XYZ(23.8909, 23.4286, 14.6072)
contains.

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Color

**XYZ(23.9774, 23.5705,
14.5951)**

Conversions

Conversions Part 1

Format	Color
Hex	9E8061
RGB	158, 128, 97
RGB Percent	62%, 50%, 38%
CMY	0.3804, 0.4980, 0.6196
CMYK	0.00, 0.19, 0.39, 0.38
HSL	30°, 24%, 50%
HSV	30°, 39%, 62%
XYZ	23.9774, 23.5705, 14.5951
YIQ	133.4360, 27.8310, -3.2810

Conversions

Conversions Part 2

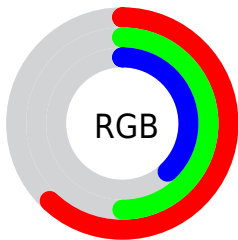
Format	Color
R_{YB}	156, 158, 97
Decimal	10387553
CIE _{Lab}	55.66, 7.07, 21.19
CIE _{LCh}	56, 22.337, 71.543
Yxy	23.5705, 0.3858, 0.3793
Android (android.graphics.Color)	4288577633 (0xFF9E8061)
YUV	133.4360, -17.9629, 21.5426
Hunter-Lab	48.5495, 3.1953, 16.1607

Details

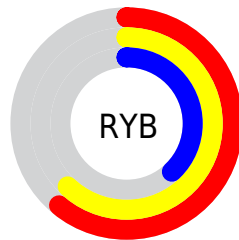
The XYZ color **23.9774, 23.5705, 14.5951** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.6905, 20.1881, 35.2594**, and the grayscale version is **22.5103, 23.6826, 25.7903**.

A 20% lighter version of the original color is **49.6007, 49.4820, 34.9537**, and **9.1974, 8.8255, 4.2364** is the 20% darker color. If you saturate the color by 10%, you get **22.3380, 21.3556, 10.7689**, and if you desaturate by 10%, it is **25.8423, 26.0015, 19.2210**.

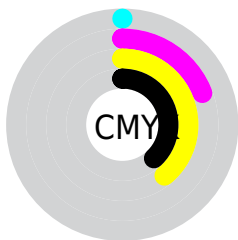
Distribution



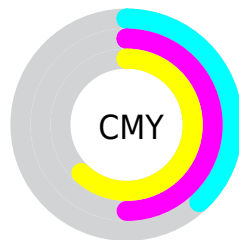
- Red (62%)
- Green (50%)
- Blue (38%)



- Red (61%)
- Yellow (62%)
- Blue (38%)



- Cyan (0%)
- Magenta (19%)
- Yellow (39%)
- Black (38%)





- Cyan (38%)
- Magenta (50%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9774, 23.5705, 14.5951 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 23.9774, 23.5705, 14.5951 by changing the saturation by 10% instead.


 23.9774, 23.5705,
14.5951


 23.9774, 23.5705,
14.5951


265.1488,
270.6418, 232.4579


 15.4415, 15.0153,
8.3923

 49.4483, 49.3284,
34.8735


 9.2182, 8.8301,
4.2556


 67.1139, 67.2999,
49.7861

 4.9420, 4.6306,
1.7666


 88.5536, 89.1790,
68.4391

 2.2477, 2.0322,
0.4058

 114.1325,
115.3501, 91.2509

 0.7677, 0.6261,
0.0000

144.2162,
146.1975, 118.6402

 0.0000, 0.0000,
0.0000

179.1699,

182.1056, 151.0254

219.3590,
223.4590, 188.8252

■ 23.9774, 23.5705,
14.5951

■ 23.9774, 23.5705,
14.5951

■ 22.3380, 21.3556,
10.7689

■ 25.8423, 26.0015,
19.2210

■ 20.9120, 19.3466,
7.6943

■ 27.9408, 28.6520,
24.6879

■ 19.6883, 17.5371,
5.3200

■ 30.2824, 31.5291,
31.0363

■ 18.6543, 15.9191,
3.5879

■ 32.8757, 34.6389,
38.3034

■ 17.7951, 14.4835,
2.4300

■ 35.7288, 37.9870,
46.5241

■ 17.0839, 13.2164,
1.7138

■ 38.8494, 41.5790,
55.7318

■ 16.9915, 13.0510,
1.6236

■ 42.2449, 45.4200,
65.9581

■ 45.9224, 49.5152,
77.2331

■ 49.8885, 53.8695,
89.5858

Harmonies

Analogous

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



26.2415, 23.5705, 17.4953



23.9774, 23.5705, 14.5951



21.4445, 23.5705, 14.2989

Triad

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



23.9774, 23.5705, 14.5951



17.9703, 23.5705, 28.5517



25.7835, 23.5705, 37.5566

Complementary

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



23.9774, 23.5705, 14.5951



18.6905, 20.1881, 35.2594

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.



23.3898, 23.5705, 41.8617



23.9774, 23.5705, 14.5951



18.9585, 23.5705, 36.0470

Square

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



23.9774, 23.5705, 14.5951



18.1016, 23.5705, 21.5046



20.8992, 23.5705, 41.2625



27.3371, 23.5705, 30.3285

Rectangle

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



23.9774, 23.5705, 14.5951



19.9553, 23.5705, 15.5348



20.8992, 23.5705, 41.2625



25.0432, 23.5705, 39.4498

Sweetspot

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



23.9780, 23.5716, 14.5956



53.3980, 55.3130, 51.9903



22.2389, 17.3641, 22.4297



11.9221, 12.3274, 11.4045



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.9780, 23.5716, 14.5956



41.0464, 39.4421, 20.6441



28.4852, 32.5859, 16.0980



6.8977, 7.1755, 7.0071



13.6480, 10.5317, 1.3135



0.2863, 0.2729, 0.0376

Inverse Universe

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



18.6905, 20.1881, 35.2594



30.1020, 32.4398, 63.4184



15.3763, 13.5597, 34.1546



6.5406, 6.9469, 8.4028



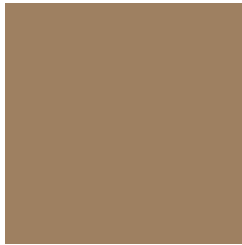
7.1468, 6.3852, 26.7630



0.1700, 0.1987, 0.4926

Previews

White Background



This preview shows how the XYZ color 23.9774, 23.5705, 14.5951 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 23.9774, 23.5705, 14.5951 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 23.9774, 23.5705, 14.5951

Background



This preview shows how black text looks on a background with the XYZ color 23.9774, 23.5705, 14.5951.



This preview shows how white text looks on a background with the XYZ color 23.9774, 23.5705,

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

23.9774, 23.5705, 14.5951

Protanopia

21.9674, 23.5155, 15.1855

Deuteranopia

23.9774, 23.5705, 14.5951



Tritanopia

26.2169, 23.5408, 25.3523

Trichromacy



Original Color

23.9774, 23.5705, 14.5951

Protanomaly

22.5336, 23.4103, 14.8863

Deuteranomaly

23.9774, 23.5705, 14.5951

Tritanomaly

25.4217, 23.6004, 20.9848

Monochromacy



Original Color

23.9774, 23.5705, 14.5951

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.6618, 23.3394, 21.0799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9774, 23.5705, 14.5951 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(158, 128, 97)` looks like.

```
.text, #text, p{  
    color:rgb(158, 128, 97)  
}
```

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(158, 128, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 128, 97) }
```

Border

The CSS property to change the border of an element to XYZ 23.9774, 23.5705, 14.5951 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(158, 128, 97) }
```


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

```
.border{ border-color:rgb(158, 128, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 128, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 128, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 128, 97);  
box-shadow:4px 4px 4px 4px rgb(158, 128,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9774, 23.5705, 14.5951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 128, 97) }
```

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

```
.background{ background-color: rgb(158,  
128, 97) }
```

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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