

Converting Colors

XYZ(22.4193, 21.2745, 16.5509)

Have a look what the booklet for
XYZ(22.4193, 21.2745, 16.5509)
contains.

XYZ(22.4549, 21.2459, 16.5530)	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(22.4549, 21.2459,
16.5530)**

Conversions

Conversions Part 1

Format	Color
Hex	99786A
RGB	153, 120, 106
RGB Percent	60%, 47%, 42%
CMY	0.4000, 0.5294, 0.5843
CMYK	0.00, 0.22, 0.31, 0.40
HSL	18°, 19%, 51%
HSV	18°, 31%, 60%
XYZ	22.4549, 21.2459, 16.5530
YIQ	128.2710, 24.1620, 2.6420

Conversions

Conversions Part 2

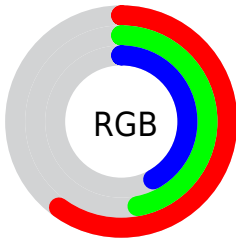
Format	Color
R_{YB}	153, 126, 106
Decimal	10057834
CIE _{Lab}	53.22, 10.75, 12.60
CIE _{LCh}	53, 16.558, 49.540
Yxy	21.2459, 0.3727, 0.3526
Android (android.graphics.Color)	4288247914 (0xFF99786A)
YUV	128.2710, -10.9796, 21.6873
Hunter-Lab	46.0933, 6.2952, 10.9731

Details

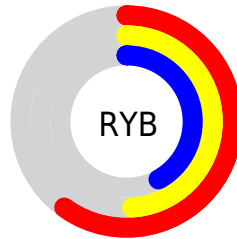
The XYZ color **22.4549, 21.2459, 16.5530** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.9260, 23.8285, 33.6336**, and the grayscale version is **20.6435, 21.7186, 23.6515**.

A 20% lighter version of the original color is **46.8508, 45.3493, 38.1823**, and **8.4095, 7.5889, 5.1593** is the 20% darker color. If you saturate the color by 10%, you get **20.5091, 18.5159, 12.3230**, and if you desaturate by 10%, it is **24.6888, 24.3245, 21.5799**.

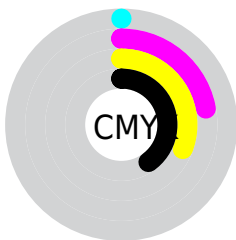
Distribution



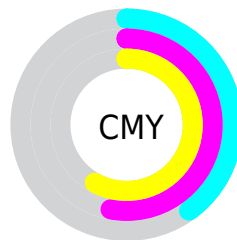
- Red (60%)
- Green (47%)
- Blue (42%)



- Red (60%)
- Yellow (49%)
- Blue (42%)



- Cyan (0%)
- Magenta (22%)
- Yellow (31%)
- Black (40%)





- Cyan (40%)
- Magenta (53%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.4549, 21.2459, 16.5530 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 22.4549, 21.2459, 16.5530 by changing the saturation by 10% instead.


 22.4549, 21.2459,
16.5530


 22.4549, 21.2459,
16.5530


257.5007,
258.5824, 244.5392


 14.3100, 13.3039,
9.7577


 46.9700, 45.4964,
38.3357

 8.4197, 7.6381,
5.1351


 64.0709, 62.5737,
54.1602

 4.4187, 3.8643,
2.2666

 84.8878, 83.4648,
73.8315

 1.9416, 1.5979,
0.7124

 109.7862,
108.5543, 97.7681

 0.6009, 0.3562,
0.0000

139.1313,
138.2263, 126.3887

 0.0000, 0.0000,
0.0000

173.2885,

172.8655, 160.1117

212.6232,
212.8560, 199.3557

■ 22.4549, 21.2459,
16.5530

■ 22.4549, 21.2459,
16.5530

■ 20.5091, 18.5159,
12.3230

■ 24.6888, 24.3245,
21.5799

■ 18.8373, 16.1191,
8.8472

■ 27.2206, 27.7608,
27.4408

■ 17.4269, 14.0430,
6.0810

■ 30.0617, 31.5668,
34.1718

■ 16.2633, 12.2734,
3.9744

■ 33.2224, 35.7535,
41.8068

■ 15.3305, 10.7947,
2.4707

■ 36.7127, 40.3312,
50.3777

■ 14.6103, 9.5900,
1.5037

■ 40.5418, 45.3098,
59.9147

■ 14.0978, 8.6941,
0.9351

■ 44.7187, 50.6990,
70.4470

■ 49.2522, 56.5078,
82.0023

■ 54.1505, 62.7454,
94.6073

Harmonies

Analogous

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



23.5308, 21.2459, 20.0597



22.4549, 21.2459, 16.5530



20.8102, 21.2459, 14.8973

Triad

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



22.4549, 21.2459, 16.5530



17.0644, 21.2459, 21.4287



21.3391, 21.2459, 33.4460

Complementary

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



22.4549, 21.2459, 16.5530



20.9260, 23.8285, 33.6336

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.



19.5893, 21.2459, 33.9530



22.4549, 21.2459, 16.5530



17.1879, 21.2459, 26.5055

Square

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



22.4549, 21.2459, 16.5530



17.7419, 21.2459, 17.4304



18.0894, 21.2459, 31.2602



22.8613, 21.2459, 29.9611

Rectangle

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



22.4549, 21.2459, 16.5530



19.6415, 21.2459, 14.8773



18.0894, 21.2459, 31.2602



20.7560, 21.2459, 33.9877

Sweetspot

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



22.4555, 21.2469, 16.5534



49.4961, 50.7227, 50.8973



23.0014, 18.9647, 27.1371



10.7848, 11.0056, 10.8997



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.



22.4555, 21.2469, 16.5534



37.7181, 34.5571, 24.1873



25.5335, 27.4030, 17.5795



6.3514, 6.5078, 6.5272



11.6778, 7.2380, 0.7816



0.2036, 0.1661, 0.0213

Inverse Universe

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



20.9260, 23.8285, 33.6336



34.5164, 39.9358, 59.8611



17.9604, 17.8974, 32.6451



6.2291, 6.7156, 7.8969



9.1632, 10.7231, 26.4945



0.1682, 0.2227, 0.4065

Previews

White Background



This preview shows how the XYZ color 22.4549, 21.2459, 16.5530 looks on a white background.

Color Contrast Check

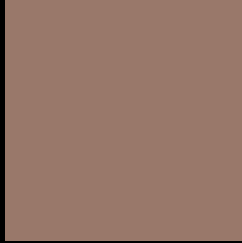
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4549, 21.2459, 16.5530 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 22.4549, 21.2459, 16.5530

Background



This preview shows how black text looks on a background with the XYZ color 22.4549, 21.2459, 16.5530.



This preview shows how white text looks on a background with the XYZ color 22.4549, 21.2459,

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

22.4549, 21.2459, 16.5530

Protanopia

20.1812, 21.3512, 17.5255

Deuteranopia

21.5937, 21.1627, 16.5824



Tritanopia

23.6448, 21.1975, 22.5840

Trichromacy



Original Color

22.4549, 21.2459, 16.5530

Protanomaly

20.8989, 21.1607, 17.1703

Deuteranomaly

21.8333, 21.1049, 16.5586

Tritanomaly

23.1346, 21.1588, 20.3175

Monochromacy



Original Color

22.4549, 21.2459, 16.5530

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.0403, 21.3417, 20.7797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4549, 21.2459, 16.5530 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(153, 120, 106)` looks like.

```
.text, #text, p{  
    color:rgb(153, 120, 106)  
}
```

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(153, 120, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 120, 106) }
```

Border

The CSS property to change the border of an element to XYZ 22.4549, 21.2459, 16.5530 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(153, 120, 106) }
```


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

```
.border{ border-color:rgb(153, 120, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 120, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 120, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 120, 106);  
box-shadow:4px 4px 4px 4px rgb(153, 120,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4549, 21.2459, 16.5530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 120, 106) }
```

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

```
.background{ background-color: rgb(153,  
120, 106) }
```

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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