

Converting Colors

XYZ(22.1326, 20.8472, 16.6024)

Have a look what the booklet for
XYZ(22.1326, 20.8472, 16.6024)
contains.

XYZ(22.1472, 20.9097, 16.5044)	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(22.1472, 20.9097,
16.5044)**

Conversions

Conversions Part 1

Format	Color
Hex	98776A
RGB	152, 119, 106
RGB Percent	60%, 47%, 42%
CMY	0.4039, 0.5333, 0.5843
CMYK	0.00, 0.22, 0.30, 0.40
HSL	17°, 18%, 51%
HSV	17°, 30%, 60%
XYZ	22.1472, 20.9097, 16.5044
YIQ	127.3850, 23.8410, 2.9530

Conversions

Conversions Part 2

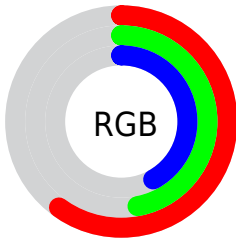
Format	Color
R_{YB}	152, 124, 106
Decimal	9992042
CIE _{Lab}	52.85, 10.91, 12.07
CIE _{LCh}	53, 16.269, 47.894
Yxy	20.9097, 0.3718, 0.3511
Android (android.graphics.Color)	4288182122 (0xFF98776A)
YUV	127.3850, -10.5428, 21.5874
Hunter-Lab	45.7271, 6.4311, 10.6093

Details

The XYZ color **22.1472, 20.9097, 16.5044** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.8436, 23.7955, 33.2000**, and the grayscale version is **20.3351, 21.3942, 23.2982**.

A 20% lighter version of the original color is **46.3808, 44.8255, 38.1059**, and **8.2982, 7.5316, 5.1540** is the 20% darker color. If you saturate the color by 10%, you get **20.2018, 18.1737, 12.2957**, and if you desaturate by 10%, it is **24.3827, 24.0014, 21.5015**.

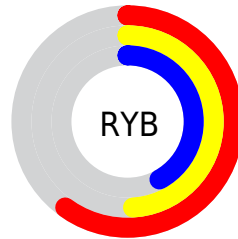
Distribution



Red (60%)

Green (47%)

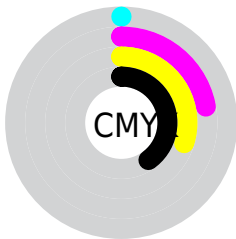
Blue (42%)



Red (60%)

Yellow (49%)

Blue (42%)

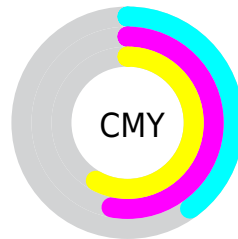


Cyan (0%)

Magenta (22%)

Yellow (30%)

Black (40%)



Cyan (40%)

Magenta (53%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1472, 20.9097, 16.5044 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 22.1472, 20.9097, 16.5044 by changing the saturation by 10% instead.

■ 22.1472, 20.9097,
16.5044

■ 22.1472, 20.9097,
16.5044

255.9320,
256.7982, 244.2465

■ 14.0823, 13.0580,
9.7236

■ 46.4662, 44.9372,
38.2506

■ 8.2600, 7.4685,
5.1129

■ 63.4510, 61.8818,
54.0530

■ 4.3150, 3.7568,
2.2537

■ 84.1399, 82.6262,
73.6997

■ 1.8818, 1.5385,
0.7051

■ 108.8981,
107.5547, 97.6093

■ 0.5662, 0.3156,
0.0000

138.0911,
137.0518, 126.2002

■ 0.0000, 0.0000,
0.0000

172.0842,

171.5018, 159.8910

211.2427,
211.2891, 199.1002

■ 22.1472, 20.9097,
16.5044

■ 22.1472, 20.9097,
16.5044

■ 20.2018, 18.1737,
12.2957

■ 24.3827, 24.0014,
21.5015

■ 18.5325, 15.7777,
8.8336

■ 26.9183, 27.4583,
27.3235

■ 17.1265, 13.7086,
6.0742

■ 29.7655, 31.2930,
34.0061

■ 15.9691, 11.9518,
3.9683

■ 32.9348, 35.5166,
41.5824

■ 15.0443, 10.4913,
2.4605

■ 36.4359, 40.1398,
50.0839

■ 14.3336, 9.3092,
1.4859

■ 40.2785, 45.1729,
59.5405

■ 13.8116, 8.4008,
0.8936

■ 44.4715, 50.6257,
69.9807

■ 49.0237, 56.5078,
81.4319

■ 53.9435, 62.8285,
93.9204

Harmonies

Analogous

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



23.1496, 20.9097, 20.0103



22.1472, 20.9097, 16.5044



20.5675, 20.9097, 14.7861

Triad

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



22.1472, 20.9097, 16.5044



16.8464, 20.9097, 20.8598



20.8953, 20.9097, 32.8876

Complementary

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



22.1472, 20.9097, 16.5044



20.8436, 23.7955, 33.2000

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.



19.1964, 20.9097, 33.2012



22.1472, 20.9097, 16.5044



16.9230, 20.9097, 25.7661

Square

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



22.1472, 20.9097, 16.5044



17.5464, 20.9097, 17.0496



17.7620, 20.9097, 30.4422



22.3990, 20.9097, 29.6382

Rectangle

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



22.1472, 20.9097, 16.5044



19.4285, 20.9097, 14.6966



17.7620, 20.9097, 30.4422



20.3263, 20.9097, 33.3551

Sweetspot

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



22.1478, 20.9107, 16.5048



48.0331, 49.1701, 49.4367



22.8170, 18.8693, 27.1475



10.7704, 10.9768, 10.8949



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.



22.1478, 20.9107, 16.5048



36.8247, 33.7292, 24.1947



25.1147, 26.8445, 17.4938



6.3439, 6.4929, 6.5247



11.6043, 7.0911, 0.7571



0.2014, 0.1619, 0.0206

Inverse Universe

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



20.8436, 23.7955, 33.2000



34.1560, 39.6068, 58.2783



17.9418, 17.9919, 32.2328



6.2369, 6.7313, 7.8995



9.3673, 11.1313, 26.5626



0.1703, 0.2270, 0.4072

Previews

White Background



This preview shows how the XYZ color 22.1472, 20.9097, 16.5044 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 22.1472, 20.9097, 16.5044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

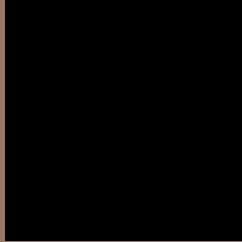
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.1472, 20.9097, 16.5044

Background



This preview shows how black text looks on a background with the XYZ color 22.1472, 20.9097, 16.5044.



This preview shows how white text looks on a background with the XYZ color 22.1472, 20.9097,

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

22.1472, 20.9097, 16.5044

Protanopia

19.8940, 21.0124, 17.4753

Deuteranopia

21.4151, 21.0707, 16.5740



Tritanopia

23.2735, 20.8415, 22.1982

Trichromacy



Original Color

22.1472, 20.9097, 16.5044

Protanomaly

20.6050, 20.8241, 17.1208

Deuteranomaly

21.6516, 21.0113, 16.5501

Tritanomaly

22.7682, 20.8029, 19.9549

Monochromacy



Original Color

22.1472, 20.9097, 16.5044

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.6908, 20.9815, 20.4121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1472, 20.9097, 16.5044 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, 119, 106)` looks like.

```
.text, #text, p{  
    color:rgb(152, 119, 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(152, 119, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 119, 106) }
```

Border

The CSS property to change the border of an element to XYZ 22.1472, 20.9097, 16.5044 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, 119, 106) }
```


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

```
.border{ border-color:rgb(152, 119, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 119, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 119, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 119, 106);  
box-shadow:4px 4px 4px 4px rgb(152, 119,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1472, 20.9097, 16.5044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 119, 106) }
```

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

```
.background{ background-color: rgb(152,  
119, 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](#).

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