

Converting Colors

XYZ(20.4834, 18.4044, 22.1326)

Have a look what the booklet for
XYZ(20.4834, 18.4044, 22.1326)
contains.

XYZ(20.4972, 18.4090, 22.2116)	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(20.4972, 18.4090,
22.2116)**

Conversions

Conversions Part 1

Format	Color
Hex	8E6E7E
RGB	142, 110, 126
RGB Percent	56%, 43%, 49%
CMY	0.4431, 0.5686, 0.5059
CMYK	0.00, 0.23, 0.11, 0.44
HSL	330°, 13%, 49%
HSV	330°, 23%, 56%
XYZ	20.4972, 18.4090, 22.2116
YIQ	121.3920, 13.9360, 11.7600

Conversions

Conversions Part 2

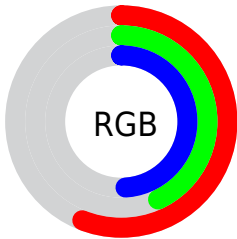
Format	Color
R_{YB}	142, 110, 126
Decimal	9334398
CIE _{Lab}	49.99, 15.41, -3.96
CIE _{LCh}	50, 15.907, 345.581
Yxy	18.4090, 0.3354, 0.3012
Android (android.graphics.Color)	4287524478 (0xFF8E6E7E)
YUV	121.3920, 2.2717, 18.0732
Hunter-Lab	42.9057, 10.1892, -0.6595

Details

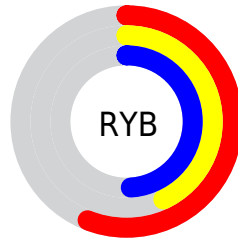
The XYZ color **20.4972, 18.4090, 22.2116** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.8701, 24.1680, 23.3575**, and the grayscale version is **18.2910, 19.2435, 20.9562**.

A 20% lighter version of the original color is **43.8220, 40.8311, 48.2193**, and **7.3766, 6.2052, 7.8301** is the 20% darker color. If you saturate the color by 10%, you get **18.6442, 15.4103, 19.4131**, and if you desaturate by 10%, it is **22.6293, 21.9135, 25.2641**.

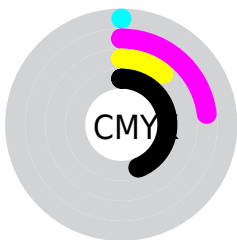
Distribution



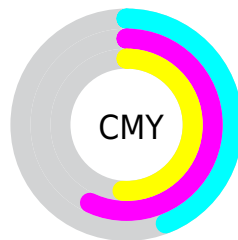
- Red (56%)
- Green (43%)
- Blue (49%)



- Red (56%)
- Yellow (43%)
- Blue (49%)



- Cyan (0%)
- Magenta (23%)
- Yellow (11%)
- Black (44%)



- Cyan (44%)
- Magenta (57%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4972, 18.4090, 22.2116 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 20.4972, 18.4090, 22.2116 by changing the saturation by 10% instead.

■ 20.4972, 18.4090,
22.2116

■ 20.4972, 18.4090,
22.2116

247.3768,
243.1664, 276.6388

■ 12.8673, 11.2440,
13.8127

■ 43.7468, 40.7330,
48.0021

■ 7.4136, 6.2312,
7.8532

■ 60.0973, 56.6609,
66.2308

■ 3.7707, 2.9862,
3.9147

■ 80.0854, 76.2785,
88.5732

■ 1.5733, 1.1245,
1.5787

■ 104.0764, 99.9702,
115.4477

■ 0.3749, 0.0000,
0.2755

132.4356,
128.1204, 147.2730

■ 0.0000, 0.0000,
0.0000

165.5286,

161.1136, 184.4676

203.7205,
199.3341, 227.4500

■ 20.4972, 18.4090,
22.2116

■ 20.4972, 18.4090,
22.2116

■ 18.6442, 15.4103,
19.4131

■ 22.6293, 21.9135,
25.2641

■ 17.0564, 12.8912,
16.8599

■ 25.0505, 25.9433,
28.5764

■ 15.7210, 10.8270,
14.5447

■ 27.7722, 30.5199,
32.1557


■ 14.6235, 9.1899,
12.4590


■ 30.8047, 35.6630,
36.0084


■ 13.7478, 7.9488,
10.5938


■ 34.1578, 41.3912,
40.1408


 13.0756, 7.0684,
8.9392


 37.8407, 47.7223,
44.5589

 12.5855, 6.5071,
7.4841

 41.8626, 54.6733,
49.2684

 12.2926, 6.2057,
6.5101

 46.2320, 62.2605,
54.2750

 50.9572, 70.4997,
59.5841

Harmonies

Analogous

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



19.6789, 18.4090, 26.5234



20.4972, 18.4090, 22.2116



20.4801, 18.4090, 17.8697

Triad

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



20.4972, 18.4090, 22.2116



16.7205, 18.4090, 12.9874



15.5219, 18.4090, 26.6689

Complementary

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



20.4972, 18.4090, 22.2116



19.8701, 24.1680, 23.3575

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.



14.8190, 18.4090, 22.3884



20.4972, 18.4090, 22.2116



15.4831, 18.4090, 14.7169

Square

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



20.4972, 18.4090, 22.2116



18.2385, 18.4090, 12.9544



14.8052, 18.4090, 18.0227



16.7763, 18.4090, 29.3394

Rectangle

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



20.4972, 18.4090, 22.2116



19.9950, 18.4090, 15.5395



14.8052, 18.4090, 18.0227



15.2166, 18.4090, 25.3450

Sweetspot

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



20.4977, 18.4098, 22.2120



42.1399, 42.3530, 47.6396



19.0634, 17.5414, 27.9727



9.3663, 9.3834, 10.5778



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



20.4977, 18.4098, 22.2120



34.4421, 29.6956, 36.6318



19.5464, 18.0293, 17.2026



5.5143, 5.4662, 6.2061



11.0461, 5.5755, 5.8940



0.1167, 0.0577, 0.1148

Inverse Universe

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



20.4977, 18.4098, 22.2120



34.4421, 29.6956, 36.6318



20.9865, 24.6145, 29.2366



5.5143, 5.4662, 6.2061



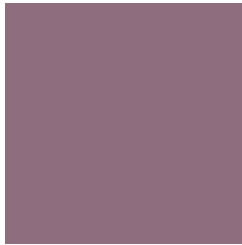
11.0461, 5.5755, 5.8940



0.1167, 0.0577, 0.1148

Previews

White Background



This preview shows how the XYZ color 20.4972, 18.4090, 22.2116 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 20.4972, 18.4090, 22.2116 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 20.4972, 18.4090, 22.2116

Background



This preview shows how black text looks on a background with the XYZ color 20.4972, 18.4090, 22.2116.



This preview shows how white text looks on a background with the XYZ color 20.4972, 18.4090,

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

20.4972, 18.4090, 22.2116

Protanopia

18.0464, 18.4471, 24.0822

Deuteranopia

18.8491, 18.5606, 21.9911



Tritanopia

20.0591, 18.3877, 20.2612

Trichromacy



Original Color

20.4972, 18.4090, 22.2116

Protanomaly

18.8456, 18.3585, 23.3191

Deuteranomaly

19.3919, 18.5018, 21.9512

Tritanomaly

20.1818, 18.4367, 20.9073

Monochromacy



Original Color

20.4972, 18.4090, 22.2116

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.9897, 18.8198, 21.3706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4972, 18.4090, 22.2116 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(142, 110, 126)` looks like.

```
.text, #text, p{  
    color:rgb(142, 110, 126)  
}
```

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(142, 110, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 110, 126) }
```

Border

The CSS property to change the border of an element to XYZ 20.4972, 18.4090, 22.2116 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(142, 110, 126) }
```


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

```
.border{ border-color:rgb(142, 110, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 110, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 110, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 110, 126);  
box-shadow:4px 4px 4px 4px rgb(142, 110,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4972, 18.4090, 22.2116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 110, 126) }
```

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

```
.background{ background-color: rgb(142,  
110, 126) }
```

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