

Converting Colors

XYZ(22.1267, 20.8545, 10.8950)

Have a look what the booklet for
XYZ(22.1267, 20.8545, 10.8950)
contains.

XYZ(22.1020, 20.8352, 10.8393)	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(22.1020, 20.8352,
10.8393)**

Conversions

Conversions Part 1

Format	Color
Hex	9E7652
RGB	158, 118, 82
RGB Percent	62%, 46%, 32%
CMY	0.3804, 0.5372, 0.6784
CMYK	0.00, 0.25, 0.48, 0.38
HSL	28°, 32%, 47%
HSV	28°, 48%, 62%
XYZ	22.1020, 20.8352, 10.8393
YIQ	125.8560, 35.3960, -2.7160

Conversions

Conversions Part 2

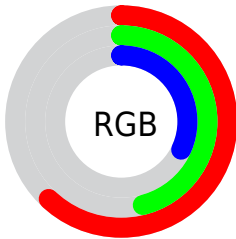
Format	Color
R_{YB}	158, 150, 82
Decimal	10384978
CIE _{Lab}	52.77, 11.05, 25.87
CIE _{LCh}	53, 28.136, 66.870
Yxy	20.8352, 0.4110, 0.3874
Android (android.graphics.Color)	4288575058 (0xFF9E7652)
YUV	125.8560, -21.6210, 28.1903
Hunter-Lab	45.6456, 6.5515, 17.8725

Details

The XYZ color **22.1020, 20.8352, 10.8393** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.6104, 18.1807, 34.9815**, and the grayscale version is **19.8454, 20.8790, 22.7372**.

A 20% lighter version of the original color is **46.2711, 44.7115, 28.0212**, and **8.2175, 7.4507, 2.6741** is the 20% darker color. If you saturate the color by 10%, you get **20.6323, 18.7498, 7.7170**, and if you desaturate by 10%, it is **23.7975, 23.1507, 14.7203**.

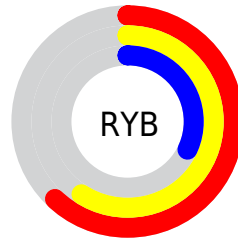
Distribution



Red (62%)

Green (46%)

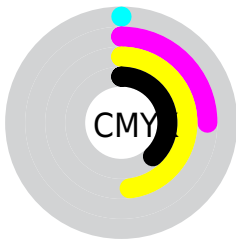
Blue (32%)



Red (62%)

Yellow (59%)

Blue (32%)

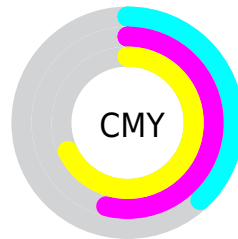


Cyan (0%)

Magenta (25%)

Yellow (48%)

Black (38%)



Cyan (38%)


Magenta (54%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.1020, 20.8352, 10.8393 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 22.1020, 20.8352, 10.8393 by changing the saturation by 10% instead.


 22.1020, 20.8352,
10.8393

 22.1020, 20.8352,
10.8393


255.7008,
256.4014, 207.2594


 14.0489, 13.0036,
5.8461


 46.3921, 44.8131,
27.9947

 8.2366, 7.4310,
2.6844


 63.3598, 61.7282,
40.9940


 4.2998, 3.7331,
0.9356

 84.0298, 82.4399,
57.4990

 1.8731, 1.5254,
0.0000

 108.7674,
107.3326, 77.9283

 0.5611, 0.3065,
0.0000

 137.9379,
136.7907, 102.7005

 0.0000, 0.0000,
0.0000

171.9068,

171.1986, 132.2340

211.0393,
210.9407, 166.9475

■ 22.1020, 20.8352,
10.8393

■ 22.1020, 20.8352,
10.8393

■ 20.6323, 18.7498,
7.7170

■ 23.7975, 23.1507,
14.7203

■ 19.3751, 16.8831,
5.3008

■ 25.7282, 25.7010,
19.4055

■ 18.3176, 15.2272,
3.5329


■ 27.9045, 28.4945,
24.9382


■ 17.4448, 13.7723,
2.3461


■ 30.3361, 31.5380,
31.3580


■ 16.7311, 12.5039,
1.6179


■ 33.0316, 34.8383,
38.7022

 16.6065, 12.2809,
1.4952

 35.9996, 38.4017,
47.0059

 39.2481, 42.2343,
56.3025

 42.7847, 46.3421,
66.6234

 46.6168, 50.7307,
77.9990

Harmonies

Analogous

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



24.6658, 20.8352, 14.3100



22.1020, 20.8352, 10.8393



19.1363, 20.8352, 10.1327

Triad

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



22.1020, 20.8352, 10.8393



14.7156, 20.8352, 24.6733



23.3831, 20.8352, 38.2140

Complementary

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



22.1020, 20.8352, 10.8393



16.6104, 18.1807, 34.9815

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.



20.4855, 20.8352, 42.7945



22.1020, 20.8352, 10.8393



15.6258, 20.8352, 33.8214

Square

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



22.1020, 20.8352, 10.8393



15.0568, 20.8352, 16.9150



17.6697, 20.8352, 41.0149



25.4550, 20.8352, 29.6397

Rectangle

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



22.1020, 20.8352, 10.8393



17.3623, 20.8352, 11.1139



17.6697, 20.8352, 41.0149



22.4629, 20.8352, 40.3572

Sweetspot

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



22.1025, 20.8362, 10.8397



52.3089, 53.8069, 49.5553



20.6639, 14.7222, 20.3388



11.5941, 11.8804, 10.6511



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.



22.1025, 20.8362, 10.8397



37.2150, 33.6813, 13.5033



27.4227, 31.4766, 12.6131



6.8792, 7.1384, 7.0009



13.3391, 9.9138, 1.2105



0.2806, 0.2614, 0.0357

Inverse Universe

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



16.6104, 18.1807, 34.9815



25.9888, 28.2452, 62.8256



12.8633, 10.6864, 33.7324



6.5591, 6.9840, 8.4090



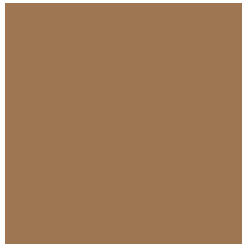
7.4691, 7.0297, 26.8704



0.1758, 0.2101, 0.4945

Previews

White Background



This preview shows how the XYZ color 22.1020, 20.8352, 10.8393 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 22.1020, 20.8352, 10.8393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

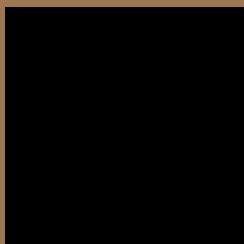
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.1020, 20.8352, 10.8393

Background



This preview shows how black text looks on a background with the XYZ color 22.1020, 20.8352, 10.8393.



This preview shows how white text looks on a background with the XYZ color 22.1020, 20.8352,

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

22.1020, 20.8352, 10.8393

Protanopia

19.4171, 20.8960, 11.6043

Deuteranopia

21.2715, 20.9442, 10.7061



Tritanopia

24.3183, 20.8968, 21.1641

Trichromacy



Original Color

22.1020, 20.8352, 10.8393

Protanomaly

20.3602, 20.8258, 11.3342

Deuteranomaly

21.5281, 20.8970, 10.6835

Tritanomaly

23.4825, 20.9001, 16.7064

Monochromacy



Original Color

22.1020, 20.8352, 10.8393

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.3787, 20.6950, 17.6723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1020, 20.8352, 10.8393 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, 118, 82)` looks like.

```
.text, #text, p{  
    color:rgb(158, 118, 82)  
}
```

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, 118, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 118, 82) }
```

Border

The CSS property to change the border of an element to XYZ 22.1020, 20.8352, 10.8393 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, 118, 82) }
```


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

```
.border{ border-color:rgb(158, 118, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 118, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 118, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 118, 82);  
box-shadow:4px 4px 4px 4px rgb(158, 118,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1020, 20.8352, 10.8393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 118, 82) }
```

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

```
.background{ background-color: rgb(158,  
118, 82) }
```

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