

Converting Colors

XYZ(22.3907, 22.3019, 8.0985)

Have a look what the booklet for
XYZ(22.3907, 22.3019, 8.0985)
contains.

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Color

**XYZ(22.3883, 22.3180,
8.1288)**

Conversions

Conversions Part 1

Format	Color
Hex	9E7D41
RGB	158, 125, 65
RGB Percent	62%, 49%, 25%
CMY	0.3804, 0.5098, 0.7451
CMYK	0.00, 0.21, 0.59, 0.38
HSL	39°, 42%, 44%
HSV	39°, 59%, 62%
XYZ	22.3883, 22.3180, 8.1288
YIQ	128.0270, 38.9280, -11.6640

Conversions

Conversions Part 2

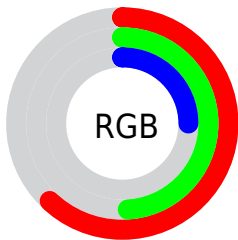
Format	Color
R_{YB}	116, 158, 65
Decimal	10386753
CIE _{Lab}	54.36, 5.50, 37.10
CIE _{LCh}	54, 37.507, 81.563
Yxy	22.3180, 0.4237, 0.4224
Android (android.graphics.Color)	4288576833 (0xFF9E7D41)
YUV	128.0270, -31.0723, 26.2863
Hunter-Lab	47.2419, 1.9191, 22.8675

Details

The XYZ color **22.3883, 22.3180, 8.1288** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.7190, 12.3272, 34.0566**, and the grayscale version is **20.6226, 21.6966, 23.6276**.

A 20% lighter version of the original color is **46.8410, 47.1292, 22.8477**, and **8.3945, 8.1524, 1.6614** is the 20% darker color. If you saturate the color by 10%, you get **21.3035, 20.7813, 5.8164**, and if you desaturate by 10%, it is **23.6423, 23.9882, 11.1297**.

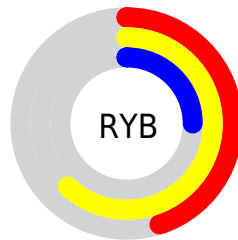
Distribution



Red (62%)

Green (49%)

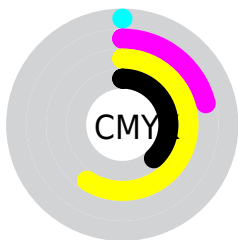
Blue (25%)



Red (45%)

Yellow (62%)

Blue (25%)

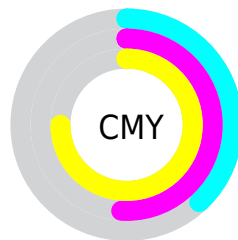


Cyan (0%)

Magenta (21%)

Yellow (59%)

Black (38%)



Cyan (38%)

Magenta (51%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3883, 22.3180, 8.1288 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 22.3883, 22.3180, 8.1288 by changing the saturation by 10% instead.

■ 22.3883, 22.3180,
8.1288

■ 22.3883, 22.3180,
8.1288

257.1618,
264.2025, 186.7110

■ 14.2607, 14.0907,
4.0885

■ 46.8610, 47.2710,
22.7609

■ 8.3851, 8.1838,
1.6740

■ 63.9369, 64.7656,
34.1898

■ 4.3962, 4.2128,
0.3428

■ 84.7262, 86.1180,
48.9186

■ 1.9286, 1.7933,
0.0000

■ 109.5942,
111.7128, 67.3659

■ 0.5934, 0.4830,
0.0000

■ 138.9065,
141.9342, 89.9503

■ 0.0000, 0.0000,
0.0000

173.0283,

177.1667, 117.0902

212.3249,
217.7946, 149.2043

■ 22.3883, 22.3180,
8.1288

■ 22.3883, 22.3180,
8.1288

■ 21.3035, 20.7813,
5.8164

■ 23.6423, 23.9882,
11.1297

■ 20.3746, 19.3691,
4.1333

■ 25.0742, 25.7939,
14.8692

■ 19.5888, 18.0761,
3.0119

■ 26.6940, 27.7408,
19.3943

■ 18.9191, 16.8904,
2.3148

■ 28.5103, 29.8335,
24.7474

■ 18.8462, 16.7605,
2.2418

■ 30.5313, 32.0760,
30.9682

■ 32.7644, 34.4724,
38.0936

■ 35.2168, 37.0264,
46.1584

■ 37.8954, 39.7417,
55.1956

■ 40.8065, 42.6217,
65.2366

Harmonies

Analogous

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



26.4907, 22.3180, 10.5762



22.3883, 22.3180, 8.1288



18.4496, 22.3180, 8.7885

Triad

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



22.3883, 22.3180, 8.1288



14.7030, 22.3180, 33.5611



27.9935, 22.3180, 41.1771

Complementary

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



22.3883, 22.3180, 8.1288



12.7190, 12.3272, 34.0566

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.



24.2385, 22.3180, 51.8666



22.3883, 22.3180, 8.1288



16.6867, 22.3180, 46.5757

Square

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



22.3883, 22.3180, 8.1288



14.3413, 22.3180, 21.1414



20.0788, 22.3180, 54.1088



29.9885, 22.3180, 27.7596

Rectangle

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



22.3883, 22.3180, 8.1288



16.4080, 22.3180, 11.0367



20.0788, 22.3180, 54.1088



26.8740, 22.3180, 45.3665

Sweetspot

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



22.3888, 22.3191, 8.1292



51.9523, 54.3781, 45.4768



18.2478, 11.9526, 13.1750



11.4973, 12.0154, 9.6062



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.



22.3888, 22.3191, 8.1292



38.0610, 36.8088, 9.3598



24.9640, 30.9097, 9.6517



6.9720, 7.3240, 7.0319



15.1320, 13.4996, 1.8081



0.3091, 0.3184, 0.0452

Inverse Universe

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



12.7190, 12.3272, 34.0566



18.8514, 17.0135, 61.0338



11.1549, 7.8439, 33.2737



6.4677, 6.8012, 8.3786



6.1120, 4.3156, 26.4181



0.1473, 0.1532, 0.4850

Previews

White Background



This preview shows how the XYZ color 22.3883, 22.3180, 8.1288 looks on a white background.

Color Contrast Check

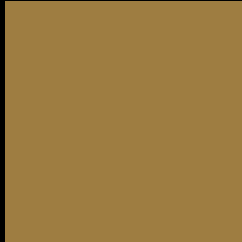
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3883, 22.3180, 8.1288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

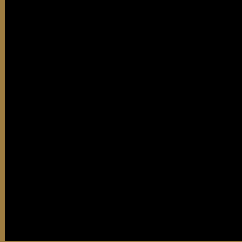
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.3883, 22.3180, 8.1288

Background



This preview shows how black text looks on a background with the XYZ color 22.3883, 22.3180, 8.1288.



This preview shows how white text looks on a background with the XYZ color 22.3883, 22.3180,

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

22.3883, 22.3180, 8.1288

Protanopia

20.4974, 22.2998, 8.5342

Deuteranopia

22.6590, 22.2705, 8.1054



Tritanopia

25.4135, 22.2757, 23.0389

Trichromacy



Original Color

22.3883, 22.3180, 8.1288

Protanomaly

21.0970, 22.2213, 8.3315

Deuteranomaly

22.4599, 22.1679, 8.0961

Tritanomaly

24.0340, 22.2513, 16.1249

Monochromacy



Original Color

22.3883, 22.3180, 8.1288

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.7866, 21.6876, 16.4552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3883, 22.3180, 8.1288 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, 125, 65)` looks like.

```
.text, #text, p{  
    color:rgb(158, 125, 65)  
}
```

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, 125, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 125, 65) }
```

Border

The CSS property to change the border of an element to XYZ 22.3883, 22.3180, 8.1288 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, 125, 65) }
```


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

```
.border{ border-color:rgb(158, 125, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 125, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 125, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 125, 65);  
box-shadow:4px 4px 4px 4px rgb(158, 125,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3883, 22.3180, 8.1288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 125, 65) }
```

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

```
.background{ background-color: rgb(158,  
125, 65) }
```

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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