

Converting Colors

XYZ(20.4429, 22.1658, 9.9366)

Have a look what the booklet for
XYZ(20.4429, 22.1658, 9.9366)
contains.

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Color

**XYZ(20.4080, 22.2240,
9.8707)**

Conversions

Conversions Part 1

Format	Color
Hex	8E824B
RGB	142, 130, 75
RGB Percent	56%, 51%, 29%
CMY	0.4431, 0.4902, 0.7059
CMYK	0.00, 0.08, 0.47, 0.44
HSL	49°, 31%, 43%
HSV	49°, 47%, 56%
XYZ	20.4080, 22.2240, 9.8707
YIQ	127.3180, 24.8070, -14.5610

Conversions

Conversions Part 2

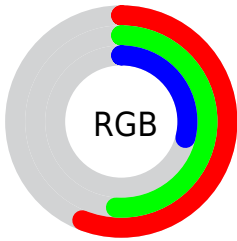
Format	Color
R_{YB}	90, 142, 75
Decimal	9339467
CIE _{Lab}	54.26, -3.46, 31.30
CIE _{LCh}	54, 31.490, 96.304
Yxy	22.2240, 0.3887, 0.4233
Android (android.graphics.Color)	4287529547 (0xFF8E824B)
YUV	127.3180, -25.7928, 12.8761
Hunter-Lab	47.1423, -5.2261, 20.5854

Details

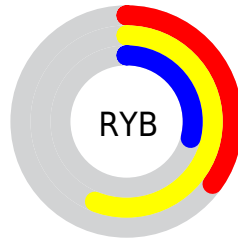
The XYZ color **20.4080, 22.2240, 9.8707** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.1924, 10.2651, 26.9828**, and the grayscale version is **20.3627, 21.4231, 23.3298**.

A 20% lighter version of the original color is **43.6611, 47.2180, 26.2148**, and **7.3685, 8.1424, 2.2819** is the 20% darker color. If you saturate the color by 10%, you get **19.6414, 21.3837, 7.4792**, and if you desaturate by 10%, it is **21.2926, 23.1265, 12.8373**.

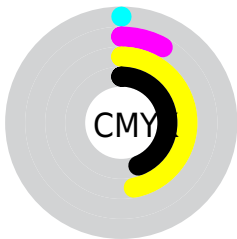
Distribution



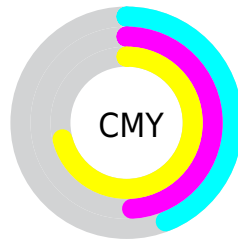
- Red (56%)
- Green (51%)
- Blue (29%)



- Red (35%)
- Yellow (56%)
- Blue (29%)



- Cyan (0%)
- Magenta (8%)
- Yellow (47%)
- Black (44%)



- Cyan (44%)
- Magenta (49%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4080, 22.2240, 9.8707 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 20.4080, 22.2240, 9.8707 by changing the saturation by 10% instead.

■ 20.4080, 22.2240,
9.8707

■ 20.4080, 22.2240,
9.8707

246.9071,
263.7138, 200.1979

■ 12.8020, 14.0216,
5.2088

■ 43.5989, 47.1159,
26.1560

■ 7.3684, 8.1357,
2.3094

■ 59.9145, 64.5743,
38.6165

■ 3.7419, 4.1819,
0.7365

■ 79.8640, 85.8867,
54.5137

■ 1.5572, 1.7758,
0.0000

■ 103.8127,
111.4376, 74.2660

■ 0.3642, 0.4720,
0.0000

■ 132.1260,
141.6113, 98.2921

■ 0.0000, 0.0000,
0.0000

165.1693,

176.7924, 127.0104

203.3078,
217.3651, 160.8395

■ 20.4080, 22.2240,
9.8707

■ 20.4080, 22.2240,
9.8707

■ 19.6414, 21.3837,
7.4792

■ 21.2926, 23.1265,
12.8373

■ 18.9837, 20.5994,
5.6229

■ 22.3002, 24.0909,
16.4127

■ 18.4273, 19.8688,
4.2591

■ 23.4375, 25.1208,
20.6293

■ 17.9626, 19.1879,
3.3379

■ 24.7102, 26.2184,
25.5171

■ 17.5725, 18.5499,
2.7692

■ 26.1238, 27.3862,
31.1041

■ 17.4671, 18.3743,
2.6260

■ 27.6833, 28.6262,
37.4168

■ 29.3935, 29.9403,
44.4801

■ 31.2590, 31.3306,
52.3178

■ 33.2841, 32.7988,
60.9529

Harmonies

Analogous

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



23.8834, 22.2240, 10.7055



20.4080, 22.2240, 9.8707



17.4574, 22.2240, 11.9541

Triad

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



20.4080, 22.2240, 9.8707



16.2458, 22.2240, 37.1782



27.7493, 22.2240, 32.6016

Complementary

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



20.4080, 22.2240, 9.8707



11.1924, 10.2651, 26.9828

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.



25.2694, 22.2240, 42.8135



20.4080, 22.2240, 9.8707



18.5844, 22.2240, 45.9166

Square

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



20.4080, 22.2240, 9.8707



15.2277, 22.2240, 26.3298



21.8550, 22.2240, 48.2176



28.3725, 22.2240, 22.1848

Rectangle

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



20.4080, 22.2240, 9.8707



16.1019, 22.2240, 15.1664



21.8550, 22.2240, 48.2176



27.0931, 22.2240, 36.2494

Sweetspot

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



20.4085, 22.2250, 9.8712



41.9537, 44.8452, 38.7456



15.4035, 11.4760, 10.4812



9.2778, 9.9352, 8.3016



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.



20.4085, 22.2250, 9.8712



34.5109, 37.5649, 12.8190



18.7980, 23.9035, 10.2800



5.7586, 6.1234, 5.7678



15.6948, 16.5213, 2.3617



0.1639, 0.1857, 0.0272

Inverse Universe

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



11.1924, 10.2651, 26.9828



16.1684, 13.7809, 46.9357



12.2456, 9.4840, 26.7765



5.2029, 5.4015, 6.7971



4.7145, 2.4150, 23.1947



0.0568, 0.0465, 0.2257

Previews

White Background



This preview shows how the XYZ color 20.4080, 22.2240, 9.8707 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 20.4080, 22.2240, 9.8707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

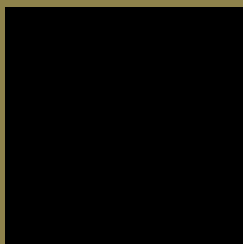
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4080, 22.2240, 9.8707

Background



This preview shows how black text looks on a background with the XYZ color 20.4080, 22.2240, 9.8707.



This preview shows how white text looks on a background with the XYZ color 20.4080, 22.2240,

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

20.4080, 22.2240, 9.8707

Protanopia

20.4080, 22.2240, 9.8707

Deuteranopia

22.6127, 22.2062, 9.9319



Tritanopia

23.5293, 22.1553, 25.2266

Trichromacy



Original Color

20.4080, 22.2240, 9.8707

Protanomaly

20.4080, 22.2240, 9.8707

Deuteranomaly

21.7143, 22.1189, 9.9624

Tritanomaly

22.2395, 22.2026, 18.4426

Monochromacy



Original Color

20.4080, 22.2240, 9.8707

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.9417, 21.4266, 17.2721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4080, 22.2240, 9.8707 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, 130, 75)` looks like.

```
.text, #text, p{  
    color:rgb(142, 130, 75)  
}
```

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, 130, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 130, 75) }
```

Border

The CSS property to change the border of an element to XYZ 20.4080, 22.2240, 9.8707 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, 130, 75) }
```


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

```
.border{ border-color:rgb(142, 130, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 130, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 130, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 130, 75);  
box-shadow:4px 4px 4px 4px rgb(142, 130,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4080, 22.2240, 9.8707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 130, 75) }
```

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

```
.background{ background-color: rgb(142,  
130, 75) }
```

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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