

Converting Colors

XYZ(20.9986, 22.5617, 8.4023)

Have a look what the booklet for
XYZ(20.9986, 22.5617, 8.4023)
contains.

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Color

**XYZ(20.9986, 22.5617,
8.4023)**

Conversions

Conversions Part 1

Format	Color
Hex	938242
RGB	147, 130, 66
RGB Percent	58%, 51%, 26%
CMY	0.4235, 0.4902, 0.7412
CMYK	0.00, 0.12, 0.55, 0.42
HSL	47°, 38%, 42%
HSV	47°, 55%, 58%
XYZ	20.9986, 22.5617, 8.4023
YIQ	127.7870, 30.6760, -16.3000

Conversions

Conversions Part 2

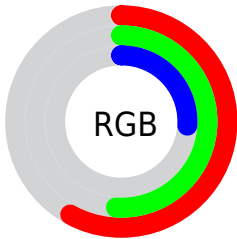
Format	Color
R_{YB}	88, 147, 66
Decimal	9667138
CIE _{Lab}	54.62, -2.12, 36.61
CIE _{LCh}	55, 36.668, 93.319
Yxy	22.5617, 0.4041, 0.4342
Android (android.graphics.Color)	4287857218 (0xFF938242)
YUV	127.7870, -30.4610, 16.8498
Hunter-Lab	47.4992, -4.2116, 22.7614

Details

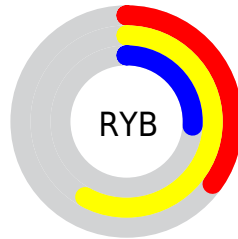
The XYZ color **20.9986, 22.5617, 8.4023** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.6063, 9.4509, 28.8687**, and the grayscale version is **20.5392, 21.6089, 23.5321**.

A 20% lighter version of the original color is **44.7145, 47.8244, 23.3973**, and **7.6677, 8.3082, 1.7718** is the 20% darker color. If you saturate the color by 10%, you get **20.2158, 21.6027, 6.2712**, and if you desaturate by 10%, it is **21.9062, 23.5920, 11.1251**.

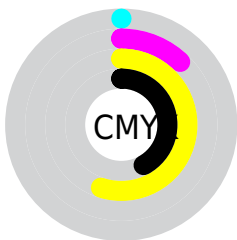
Distribution



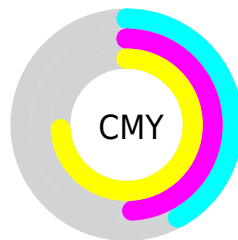
- Red (58%)
- Green (51%)
- Blue (26%)



- Red (35%)
- Yellow (58%)
- Blue (26%)



- Cyan (0%)
- Magenta (12%)
- Yellow (55%)
- Black (42%)



- Cyan (42%)
- Magenta (49%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9986, 22.5617, 8.4023 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 20.9986, 22.5617, 8.4023 by changing the saturation by 10% instead.

■ 20.9986, 22.5617,
8.4023

■ 20.9986, 22.5617,
8.4023

250.0029,
265.4657, 188.9051

■ 13.2354, 14.2702,
4.2620

■ 44.5765, 47.6726,
23.3025

■ 7.6690, 8.3088,
1.7701

■ 61.1219, 65.2609,
34.8994

■ 3.9339, 4.2932,
0.4082

■ 81.3255, 86.7168,
49.8190

■ 1.6648, 1.8389,
0.0000

■ 105.5526,
112.4248, 68.4797

■ 0.4341, 0.5112,
0.0000

■ 134.1685,
142.7693, 91.3002

■ 0.0000, 0.0000,
0.0000

167.5386,

178.1347, 118.6989

206.0283,
218.9054, 151.0943

■ 20.9986, 22.5617,
8.4023

■ 20.9986, 22.5617,
8.4023

■ 20.2158, 21.6027,
6.2712

■ 21.9062, 23.5920,
11.1251

■ 19.5473, 20.7082,
4.6845

■ 22.9449, 24.6936,
14.4794

■ 18.9836, 19.8749,
3.5898

■ 24.1225, 25.8709,
18.5030

■ 18.5112, 19.0973,
2.9173

■ 25.4454, 27.1265,
23.2303

■ 18.2959, 18.7297,
2.6509

■ 26.9201, 28.4630,
28.6936

■ 28.5522, 29.8831,
34.9229

■ 30.3473, 31.3890,
41.9467

■ 32.3105, 32.9831,
49.7919

■ 34.4469, 34.6673,
58.4842

Harmonies

Analogous

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



25.1157, 22.5617, 9.5920



20.9986, 22.5617, 8.4023



17.4626, 22.5617, 10.2951

Triad

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



20.9986, 22.5617, 8.4023



15.5983, 22.5617, 38.8859



29.1410, 22.5617, 35.9402

Complementary

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



20.9986, 22.5617, 8.4023



10.6063, 9.4509, 28.8687

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.



25.9892, 22.5617, 48.1715



20.9986, 22.5617, 8.4023



18.1492, 22.5617, 50.2131

Square

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



20.9986, 22.5617, 8.4023



14.6005, 22.5617, 25.8736



21.8961, 22.5617, 54.0534



30.1489, 22.5617, 23.3030

Rectangle

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



20.9986, 22.5617, 8.4023



15.8101, 22.5617, 13.5497



21.8961, 22.5617, 54.0534



28.2793, 22.5617, 40.3524

Sweetspot

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



20.9991, 22.5628, 8.4028



45.0136, 48.0620, 39.5860



15.5635, 10.7327, 9.5469



10.1769, 10.8786, 8.6812



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.9991, 22.5628, 8.4028



35.9165, 38.3164, 10.5076



19.7365, 25.5494, 9.0458



6.1632, 6.5402, 6.1780



15.8798, 16.2740, 2.3042



0.2152, 0.2408, 0.0351

Inverse Universe

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



10.6063, 9.4509, 28.8687



15.3980, 12.4669, 51.0294



11.3298, 8.1246, 28.5746



5.5923, 5.8185, 7.2981



5.0025, 2.6998, 24.1885



0.0791, 0.0688, 0.3020

Previews

White Background



This preview shows how the XYZ color 20.9986, 22.5617, 8.4023 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 20.9986, 22.5617, 8.4023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

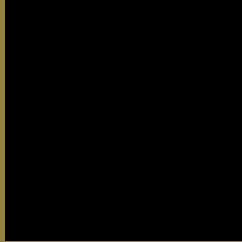
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.9986, 22.5617, 8.4023

Background



This preview shows how black text looks on a background with the XYZ color 20.9986, 22.5617, 8.4023.



This preview shows how white text looks on a background with the XYZ color 20.9986, 22.5617,

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

20.9986, 22.5617, 8.4023

Protanopia

20.6013, 22.5552, 8.4220

Deuteranopia

23.0447, 22.6495, 8.4674



Tritanopia

24.3847, 22.6042, 24.9076

Trichromacy



Original Color

20.9986, 22.5617, 8.4023

Protanomaly

20.7767, 22.6457, 8.4303

Deuteranomaly

22.3128, 22.6519, 8.5064

Tritanomaly

22.9301, 22.5837, 17.3379

Monochromacy



Original Color

20.9986, 22.5617, 8.4023

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.3917, 21.8713, 16.5114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9986, 22.5617, 8.4023 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(147, 130, 66)` looks like.

```
.text, #text, p{  
    color:rgb(147, 130, 66)  
}
```

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(147, 130, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 130, 66) }
```

Border

The CSS property to change the border of an element to XYZ 20.9986, 22.5617, 8.4023 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(147, 130, 66) }
```


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

```
.border{ border-color:rgb(147, 130, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 130, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 130, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 130, 66);  
box-shadow:4px 4px 4px 4px rgb(147, 130,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9986, 22.5617, 8.4023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 130, 66) }
```

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

```
.background{ background-color: rgb(147,  
130, 66) }
```

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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