

Converting Colors

XYZ(21.9830, 22.6511, 23.2883)

Have a look what the booklet for
XYZ(21.9830, 22.6511, 23.2883)
contains.

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Color

**XYZ(21.9667, 22.7318,
23.3086)**

Conversions

Conversions Part 1

Format	Color
Hex	88827F
RGB	136, 130, 127
RGB Percent	53%, 51%, 50%
CMY	0.4667, 0.4902, 0.5020
CMYK	0.00, 0.04, 0.07, 0.47
HSL	20°, 4%, 52%
HSV	20°, 7%, 53%
XYZ	21.9667, 22.7318, 23.3086
YIQ	131.4520, 4.5390, 0.3390

Conversions

Conversions Part 2

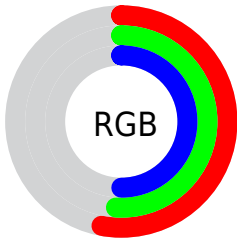
Format	Color
R_{YB}	136, 132, 127
Decimal	8946303
CIE Lab	54.80, 1.69, 2.42
CIE LCh	55, 2.950, 55.070
Yxy	22.7318, 0.3230, 0.3343
Android (android.graphics.Color)	4287136383 (0xFF88827F)
YUV	131.4520, -2.1948, 3.9886
Hunter-Lab	47.6779, -1.1957, 4.3890

Details

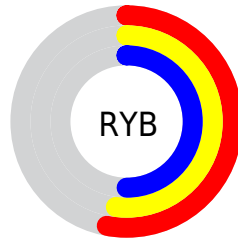
The XYZ color **21.9667, 22.7318, 23.3086** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.5838, 23.0642, 26.6070**, and the grayscale version is **21.7421, 22.8744, 24.9102**.

A 20% lighter version of the original color is **46.1580, 47.9811, 50.0085**, and **8.1553, 8.4134, 8.4018** is the 20% darker color. If you saturate the color by 10%, you get **19.9869, 20.0959, 18.5669**, and if you desaturate by 10%, it is **24.1737, 25.6299, 28.7169**.

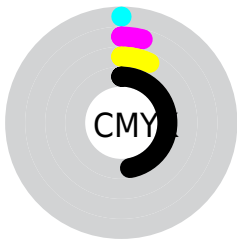
Distribution



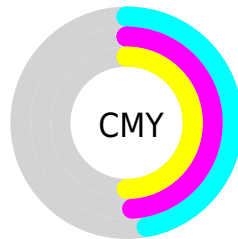
- Red (53%)
- Green (51%)
- Blue (50%)



- Red (53%)
- Yellow (52%)
- Blue (50%)



- Cyan (0%)
- Magenta (4%)
- Yellow (7%)
- Black (47%)



- Cyan (47%)
- Magenta (49%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9667, 22.7318, 23.3086 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 21.9667, 22.7318, 23.3086 by changing the saturation by 10% instead.

■ 21.9667, 22.7318,
23.3086

■ 21.9667, 22.7318,
23.3086

255.0080,
266.3445, 282.4792

■ 13.9489, 14.3956,
14.6141

■ 46.1702, 47.9526,
49.8292

■ 8.1666, 8.3963,
8.4054

■ 63.0866, 65.6059,
68.4923

■ 4.2544, 4.3496,
4.2640

■ 83.7000, 87.1338,
91.3154

■ 1.8471, 1.8710,
1.7712

108.3756,
112.9205, 118.7170

■ 0.5458, 0.5308,
0.4089

137.4789,
143.3506, 151.1156

■ 0.0000, 0.0000,
0.0000

171.3751,

178.8083, 188.9299

210.4297,
219.6782, 232.5782

■ 21.9667, 22.7318,
23.3086

■ 21.9667, 22.7318,
23.3086

■ 19.9869, 20.0959,
18.5669

■ 24.1737, 25.6299,
28.7169

■ 18.2248, 17.7120,
14.4643

■ 26.6130, 28.7943,
34.8150

■ 16.6731, 15.5732,
10.9738

■ 29.2922, 32.2329,
41.6264

■ 15.3235, 13.6715,
8.0654

■ 32.2176, 35.9520,
49.1736

■ 14.1670, 11.9983,
5.7070

■ 35.3956, 39.9580,
57.4776

■ 13.1936, 10.5445,
3.8632

■ 38.8322, 44.2570,
66.5589

■ 12.3928, 9.3002,
2.4943

■ 42.5332, 48.8549,
76.4370

■ 11.7523, 8.2547,
1.5548

■ 46.5042, 53.7574,
87.1308

■ 11.2536, 7.3943,
0.9662

■ 50.7506, 58.9701,
98.6587

Harmonies

Analogous

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



22.1785, 22.7318, 23.9983



21.9667, 22.7318, 23.3086



21.6598, 22.7318, 23.0057

Triad

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



21.9667, 22.7318, 23.3086



20.9875, 22.7318, 24.5972



21.8725, 22.7318, 26.4126

Complementary

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



21.9667, 22.7318, 23.3086



21.5838, 23.0642, 26.6070

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.



21.5521, 22.7318, 26.5826



21.9667, 22.7318, 23.3086



21.0432, 22.7318, 25.5194

Square

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



21.9667, 22.7318, 23.3086



21.0962, 22.7318, 23.7376



21.2491, 22.7318, 26.2518



22.1238, 22.7318, 25.7930

Rectangle

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



21.9667, 22.7318, 23.3086



21.4434, 22.7318, 23.0582



21.2491, 22.7318, 26.2518



21.7692, 22.7318, 26.5249

Sweetspot

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



21.9673, 22.7328, 23.3091



40.4409, 42.3391, 45.2879



21.9766, 22.1068, 25.2993



9.3779, 9.8214, 10.5182



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



21.9673, 22.7328, 23.3091



38.1437, 39.3086, 39.7007



22.5787, 23.9555, 23.5129



5.1604, 5.3036, 5.3041



10.5194, 6.7733, 0.7529



0.0823, 0.0698, 0.0091

Inverse Universe

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



21.5838, 23.0642, 26.6070



37.3171, 40.0226, 46.8067



20.9812, 21.8590, 26.4061



5.0346, 5.4122, 6.3851



7.7255, 8.7213, 23.3219



0.0648, 0.0850, 0.1594

Previews

White Background



This preview shows how the XYZ color 21.9667, 22.7318, 23.3086 looks on a white background.

Color Contrast Check

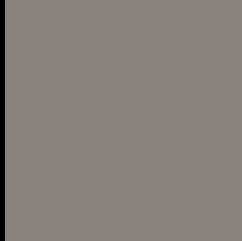
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9667, 22.7318, 23.3086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

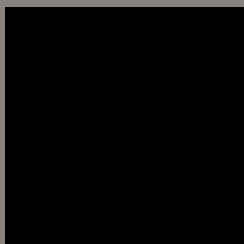
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

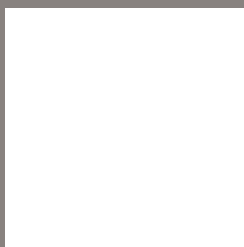
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9667, 22.7318, 23.3086

Background



This preview shows how black text looks on a background with the XYZ color 21.9667, 22.7318, 23.3086.



This preview shows how white text looks on a background with the XYZ color 21.9667, 22.7318,

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

21.9667, 22.7318, 23.3086

Protanopia

21.7786, 22.8332, 23.3381

Deuteranopia

23.1627, 22.7570, 23.5938



Tritanopia

22.7878, 22.6766, 27.2207

Trichromacy



Original Color

21.9667, 22.7318, 23.3086

Protanomaly

21.9387, 22.9158, 23.3456

Deuteranomaly

22.7708, 22.7476, 23.6127

Tritanomaly

22.4699, 22.7401, 25.7592

Monochromacy



Original Color

21.9667, 22.7318, 23.3086

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.8184, 22.8309, 24.3759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9667, 22.7318, 23.3086 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(136, 130, 127)` looks like.

```
.text, #text, p{  
    color:rgb(136, 130, 127)  
}
```

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(136, 130, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 130, 127) }
```

Border

The CSS property to change the border of an element to XYZ 21.9667, 22.7318, 23.3086 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(136, 130, 127) }
```


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

```
.border{ border-color:rgb(136, 130, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 130, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 130, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 130, 127);  
box-shadow:4px 4px 4px 4px rgb(136, 130,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9667, 22.7318, 23.3086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 130, 127) }
```

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

```
.background{ background-color: rgb(136,  
130, 127) }
```

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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