

Converting Colors

XYZ(20.8272, 21.5005, 17.9597)

Have a look what the booklet for
XYZ(20.8272, 21.5005, 17.9597)
contains.

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Color

**XYZ(20.8113, 21.4727,
18.0867)**

Conversions

Conversions Part 1

Format	Color
Hex	8A7E6F
RGB	138, 126, 111
RGB Percent	54%, 49%, 44%
CMY	0.4588, 0.5059, 0.5647
CMYK	0.00, 0.09, 0.20, 0.46
HSL	33°, 11%, 49%
HSV	33°, 20%, 54%
XYZ	20.8113, 21.4727, 18.0867
YIQ	127.8780, 11.9670, -2.1210

Conversions

Conversions Part 2

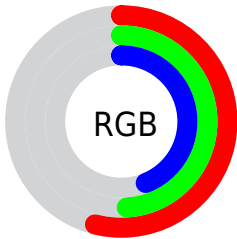
Format	Color
R_{YB}	133, 138, 111
Decimal	9076335
CIE Lab	53.46, 1.95, 9.82
CIE LCh	53, 10.014, 78.750
Yxy	21.4727, 0.3447, 0.3557
Android (android.graphics.Color)	4287266415 (0xFF8A7E6F)
YUV	127.8780, -8.3209, 8.8770
Hunter-Lab	46.3386, -0.9259, 9.2952

Details

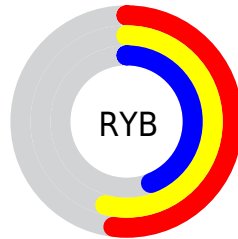
The XYZ color **20.8113, 21.4727, 18.0867** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.2258, 19.3798, 26.8249**, and the grayscale version is **20.5010, 21.5687, 23.4883**.

A 20% lighter version of the original color is **44.4692, 46.0910, 41.2030**, and **7.5756, 7.7413, 5.7976** is the 20% darker color. If you saturate the color by 10%, you get **19.3494, 19.6723, 14.1358**, and if you desaturate by 10%, it is **22.4399, 23.4181, 22.6729**.

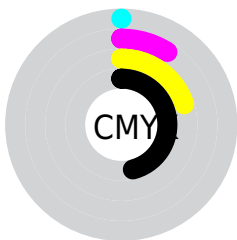
Distribution



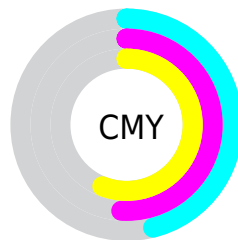
- Red (54%)
- Green (49%)
- Blue (44%)



- Red (52%)
- Yellow (54%)
- Blue (44%)



- Cyan (0%)
- Magenta (9%)
- Yellow (20%)
- Black (46%)



- Cyan (46%)
- Magenta (51%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8113, 21.4727, 18.0867 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 20.8113, 21.4727, 18.0867 by changing the saturation by 10% instead.

■ 20.8113, 21.4727,
18.0867

■ 20.8113, 21.4727,
18.0867

249.0247,
259.7801, 253.6118

■ 13.0978, 13.4700,
10.8422

■ 44.2669, 45.8729,
41.0009

■ 7.5734, 7.7530,
5.8480

■ 60.7398, 63.0392,
57.5077

■ 3.8727, 3.9373,
2.6856

■ 80.8631, 84.0288,
77.9390

■ 1.6304, 1.6385,
0.9361

■ 105.0023,
109.2261, 102.7133

■ 0.4121, 0.3834,
0.0000

133.5227,
139.0154, 132.2492

■ 0.0000, 0.0000,
0.0000

166.7897,

173.7813, 166.9652

205.1685,
213.9080, 207.2799

■ 20.8113, 21.4727,
18.0867

■ 20.8113, 21.4727,
18.0867

■ 19.3494, 19.6723,
14.1358

■ 22.4399, 23.4181,
22.6729

■ 18.0462, 18.0102,
10.7902

■ 24.2392, 25.5094,
27.9198

■ 16.8956, 16.4832,
8.0196

■ 26.2154, 27.7510,
33.8530

■ 15.8903, 15.0871,
5.7905

■ 28.3738, 30.1462,
40.4965

■ 15.0226, 13.8172,
4.0658

■ 30.7195, 32.6984,
47.8729

■ 14.2834, 12.6684,
2.8037

■ 33.2571, 35.4106,
56.0040

■ 13.6628, 11.6351,
1.9556

■ 35.9915, 38.2860,
64.9105

■ 13.1349, 10.7054,
1.3913

■ 38.9270, 41.3274,
74.6124

■ 13.1130, 10.6668,
1.3678

■ 42.0680, 44.5377,
85.1291

Harmonies

Analogous

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



21.7894, 21.4727, 19.2420



20.8113, 21.4727, 18.0867



19.7579, 21.4727, 18.2545

Triad

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



20.8113, 21.4727, 18.0867



18.5307, 21.4727, 25.3165



21.9879, 21.4727, 27.4643

Complementary

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



20.8113, 21.4727, 18.0867



18.2258, 19.3798, 26.8249

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.



21.0745, 21.4727, 29.3852



20.8113, 21.4727, 18.0867



19.0884, 21.4727, 28.0726

Square

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



20.8113, 21.4727, 18.0867



18.4658, 21.4727, 22.2545



20.0122, 21.4727, 29.6170



22.4843, 21.4727, 24.5431

Rectangle

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



20.8113, 21.4727, 18.0867



19.1540, 21.4727, 19.0979



20.0122, 21.4727, 29.6170



21.7180, 21.4727, 28.2589

Sweetspot

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



20.8119, 21.4737, 18.0872



40.6095, 42.5158, 43.0093



19.7504, 18.2062, 21.2616



9.0711, 9.4923, 9.5382



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.



20.8119, 21.4737, 18.0872



35.6380, 36.5744, 29.0159



22.2170, 24.6135, 18.6192



5.2482, 5.4792, 5.3334



12.0375, 9.8093, 1.2589



0.0946, 0.0944, 0.0132

Inverse Universe

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



18.2258, 19.3798, 26.8249



30.3118, 32.2625, 47.0128



16.9988, 16.6719, 26.3668



4.9456, 5.2342, 6.3555



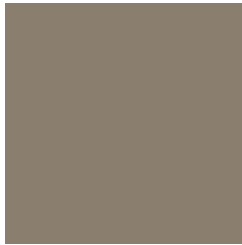
5.7658, 4.8019, 22.6686



0.0525, 0.0604, 0.1553

Previews

White Background



This preview shows how the XYZ color 20.8113, 21.4727, 18.0867 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 20.8113, 21.4727, 18.0867 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 20.8113, 21.4727, 18.0867

Background



This preview shows how black text looks on a background with the XYZ color 20.8113, 21.4727, 18.0867.



This preview shows how white text looks on a background with the XYZ color 20.8113, 21.4727,

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

20.8113, 21.4727, 18.0867

Protanopia

20.3455, 21.4169, 18.3908

Deuteranopia

21.8616, 21.4468, 18.3166



Tritanopia

22.3011, 21.5221, 25.1691

Trichromacy



Original Color

20.8113, 21.4727, 18.0867

Protanomaly

20.5057, 21.4995, 18.3983

Deuteranomaly

21.4600, 21.4248, 18.3336

Tritanomaly

21.7245, 21.4714, 22.4014

Monochromacy



Original Color

20.8113, 21.4727, 18.0867

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.6179, 21.4894, 21.4735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8113, 21.4727, 18.0867 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(138, 126, 111)` looks like.

```
.text, #text, p{  
    color:rgb(138, 126, 111)  
}
```

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(138, 126, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 126, 111) }
```

Border

The CSS property to change the border of an element to XYZ 20.8113, 21.4727, 18.0867 is called "border". The border property can be set on classes, ids or directly on the HTML element.

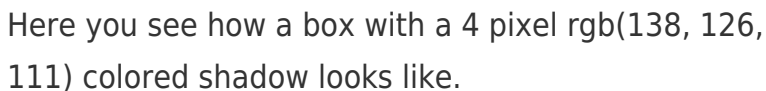
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(138, 126, 111) }
```


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

```
.border{ border-color:rgb(138, 126, 111) }
```

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



Here you see how a box with a 4 pixel `rgb(138, 126, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 126, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 126, 111); box-shadow:4px 4px 4px 4px rgb(138, 126, 111) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8113, 21.4727, 18.0867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 126, 111) }
```

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

```
.background{ background-color: rgb(138,  
126, 111) }
```

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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