

Converting Colors

XYZ(21.4120, 22.7617, 18.0168)

Have a look what the booklet for
XYZ(21.4120, 22.7617, 18.0168)
contains.

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Color

**XYZ(21.4120, 22.7617,
18.0168)**

Conversions

Conversions Part 1

Format	Color
Hex	8A836E
RGB	138, 131, 110
RGB Percent	54%, 51%, 43%
CMY	0.4588, 0.4863, 0.5686
CMYK	0.00, 0.05, 0.20, 0.46
HSL	45°, 11%, 49%
HSV	45°, 20%, 54%
XYZ	21.4120, 22.7617, 18.0168
YIQ	130.6990, 10.9130, -5.0470

Conversions

Conversions Part 2

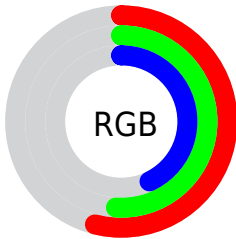
Format	Color
RYB	119, 138, 110
Decimal	9077614
CIELab	54.83, -1.05, 12.31
CIElCh	55, 12.358, 94.871
Yxy	22.7617, 0.3443, 0.3660
Android (android.graphics.Color)	4287267694 (0xFF8A836E)
YUV	130.6990, -10.2046, 6.4030
Hunter-Lab	47.7092, -3.3800, 11.0063

Details

The XYZ color **21.4120, 22.7617, 18.0168** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **17.3790, 17.8721, 26.5785**, and the grayscale version is **21.4991, 22.6187, 24.6318**.

A 20% lighter version of the original color is **45.4003, 48.0961, 41.0730**, and **7.9113, 8.4571, 5.7728** is the 20% darker color. If you saturate the color by 10%, you get **20.2632, 21.5741, 14.2112**, and if you desaturate by 10%, it is **22.6945, 24.0289, 22.4449**.

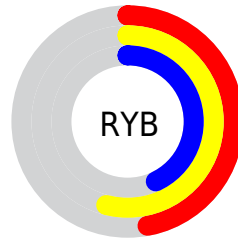
Distribution



Red (54%)

Green (51%)

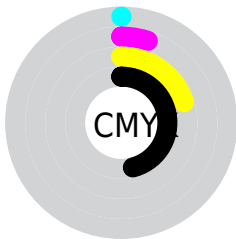
Blue (43%)



Red (47%)

Yellow (54%)

Blue (43%)

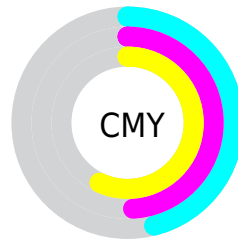


Cyan (0%)

Magenta (5%)

Yellow (20%)

Black (46%)



Cyan (46%)

Magenta (49%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4120, 22.7617, 18.0168 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 21.4120, 22.7617, 18.0168 by changing the saturation by 10% instead.

■ 21.4120, 22.7617,
18.0168

■ 21.4120, 22.7617,
18.0168

252.1505,
266.4987, 253.2050

■ 13.5397, 14.4176,
10.7925

■ 45.2583, 48.0017,
40.8803

■ 7.8808, 8.4117,
5.8151

■ 61.9631, 65.6665,
57.3565

■ 4.0699, 4.3595,
2.6660

■ 82.3426, 87.2070,
77.7538

■ 1.7418, 1.8766,
0.9262

■ 106.7624,
113.0076, 102.4907

■ 0.4822, 0.5343,
0.0000

135.5877,
143.4526, 131.9857

■ 0.0000, 0.0000,
0.0000

169.1839,

178.9266, 166.6574

207.9164,
219.8138, 206.9243

■ 21.4120, 22.7617,
18.0168

■ 21.4120, 22.7617,
18.0168

■ 20.2632, 21.5741,
14.2112

■ 22.6945, 24.0289,
22.4449

■ 19.2406, 20.4608,
10.9982

■ 24.1141, 25.3751,
27.5206

■ 18.3391, 19.4200,
8.3474

■ 25.6762, 26.8035,
33.2696

■ 17.5519, 18.4489,
6.2254

■ 27.3856, 28.3161,
39.7156

■ 16.8720, 17.5444,
4.5951

■ 29.2465, 29.9149,
46.8812

■ 16.2913, 16.7030,
3.4145

■ 31.2633, 31.6019,
54.7880

■ 15.8002, 15.9207,
2.6347

■ 33.4401, 33.3788,
63.4565

■ 15.3831, 15.2069,
2.1244

■ 35.7806, 35.2476,
72.9068

■ 38.2887, 37.2097,
83.1578

Harmonies

Analogous

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



22.7694, 22.7617, 18.5763



21.4120, 22.7617, 18.0168



20.1667, 22.7617, 19.1085

Triad

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



21.4120, 22.7617, 18.0168



19.5495, 22.7617, 29.3393



24.1013, 22.7617, 28.1184

Complementary

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



21.4120, 22.7617, 18.0168



17.3790, 17.8721, 26.5785

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.



23.1715, 22.7617, 31.4839



21.4120, 22.7617, 18.0168



20.5376, 22.7617, 32.2393

Square

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



21.4120, 22.7617, 18.0168



19.1206, 22.7617, 25.4280



21.8582, 22.7617, 33.0625



24.3592, 22.7617, 24.1502

Rectangle

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



21.4120, 22.7617, 18.0168



19.5559, 22.7617, 20.7010



21.8582, 22.7617, 33.0625



23.8551, 22.7617, 29.3705

Sweetspot

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



21.4126, 22.7627, 18.0173



41.0142, 43.3252, 43.1442



19.2683, 17.8398, 19.2578



9.1695, 9.6893, 9.5711



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.



21.4126, 22.7627, 18.0173



36.8597, 39.2218, 28.7939



21.2632, 24.1281, 18.2887



5.3270, 5.6369, 5.3597



14.1159, 13.9663, 1.9518



0.1054, 0.1160, 0.0168

Inverse Universe

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



17.3790, 17.8721, 26.5785



28.5196, 29.1107, 46.4990



17.4998, 16.7691, 26.3592



4.8696, 5.0822, 6.3302



4.7536, 2.7776, 22.3313



0.0418, 0.0388, 0.1517

Previews

White Background



This preview shows how the XYZ color 21.4120, 22.7617, 18.0168 looks on a white background.

Color Contrast Check

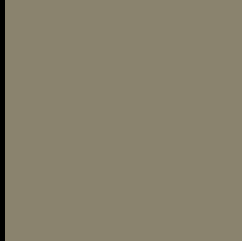
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4120, 22.7617, 18.0168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

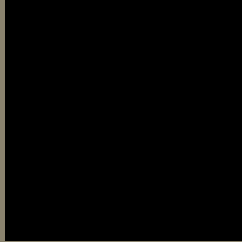
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.4120, 22.7617, 18.0168

Background



This preview shows how black text looks on a background with the XYZ color 21.4120, 22.7617, 18.0168.



This preview shows how white text looks on a background with the XYZ color 21.4120, 22.7617,

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

21.4120, 22.7617, 18.0168

Protanopia

21.4120, 22.7617, 18.0168

Deuteranopia

23.0926, 22.6487, 18.1935



Tritanopia

23.2601, 22.7357, 26.8294

Trichromacy



Original Color

21.4120, 22.7617, 18.0168

Protanomaly

21.4120, 22.7617, 18.0168

Deuteranomaly

22.4425, 22.6970, 18.2370

Tritanomaly

22.5344, 22.6334, 23.2597

Monochromacy



Original Color

21.4120, 22.7617, 18.0168

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.5230, 22.7310, 21.9920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4120, 22.7617, 18.0168 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, 131, 110)` looks like.

```
.text, #text, p{  
    color:rgb(138, 131, 110)  
}
```

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, 131, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 131, 110) }
```

Border

The CSS property to change the border of an element to XYZ 21.4120, 22.7617, 18.0168 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, 131, 110) }
```


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

```
.border{ border-color:rgb(138, 131, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 131, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 131, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 131, 110);  
box-shadow:4px 4px 4px 4px rgb(138, 131,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4120, 22.7617, 18.0168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 131, 110) }
```

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

```
.background{ background-color: rgb(138,  
131, 110) }
```

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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