

Converting Colors

XYZ(21.7041, 22.4560, 20.5951)

Have a look what the booklet for
XYZ(21.7041, 22.4560, 20.5951)
contains.

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Color

**XYZ(21.6613, 22.4357,
20.6416)**

Conversions

Conversions Part 1

Format	Color
Hex	8A8177
RGB	138, 129, 119
RGB Percent	54%, 51%, 47%
CMY	0.4588, 0.4941, 0.5333
CMYK	0.00, 0.07, 0.14, 0.46
HSL	32°, 8%, 50%
HSV	32°, 14%, 54%
XYZ	21.6613, 22.4357, 20.6416
YIQ	130.5510, 8.5740, -1.2020

Conversions

Conversions Part 2

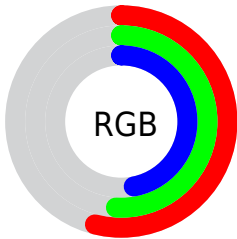
Format	Color
R_{YB}	136, 138, 119
Decimal	9077111
CIE _{Lab}	54.49, 1.59, 6.64
CIE _{LCh}	54, 6.824, 76.514
Yxy	22.4357, 0.3346, 0.3466
Android (android.graphics.Color)	4287267191 (0xFF8A8177)
YUV	130.5510, -5.6946, 6.5328
Hunter-Lab	47.3663, -1.2605, 7.3187

Details

The XYZ color **21.6613, 22.4357, 20.6416** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.9144, 21.1949, 27.0865**, and the grayscale version is **21.4314, 22.5475, 24.5543**.

A 20% lighter version of the original color is **45.8169, 47.6026, 45.3015**, and **8.0305, 8.2670, 7.1337** is the 20% darker color. If you saturate the color by 10%, you get **20.0587, 20.4618, 16.3111**, and if you desaturate by 10%, it is **23.4406, 24.5699, 25.6253**.

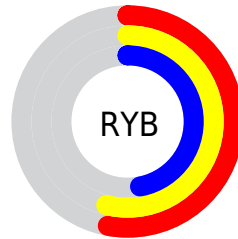
Distribution



Red (54%)

Green (51%)

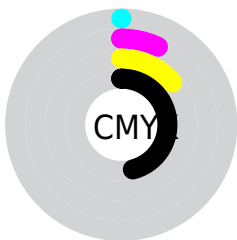
Blue (47%)



Red (53%)

Yellow (54%)

Blue (47%)

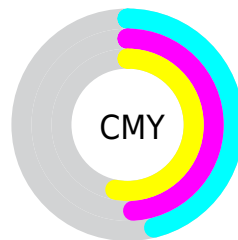


Cyan (0%)

Magenta (7%)

Yellow (14%)

Black (46%)



Cyan (46%)

Magenta (49%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6613, 22.4357, 20.6416 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 21.6613, 22.4357, 20.6416 by changing the saturation by 10% instead.

■ 21.6613, 22.4357,
20.6416

■ 21.6613, 22.4357,
20.6416

253.4381,
264.8132, 268.0858

■ 13.7234, 14.1774,
12.6736

■ 45.6686, 47.4651,
45.3633

■ 8.0090, 8.2442,
7.0761

■ 62.4687, 65.0049,
62.9541

■ 4.1526, 4.2516,
3.4306

■ 82.9537, 86.4074,
84.5895

■ 1.7888, 1.8153,
1.3185

107.4888,
112.0569, 110.6882

■ 0.5109, 0.4967,
0.0769

136.4395,
142.3379, 141.6686

■ 0.0000, 0.0000,
0.0000

170.1710,

177.6346, 177.9493

209.0488,
218.3316, 219.9489

■ 21.6613, 22.4357,
20.6416

■ 21.6613, 22.4357,
20.6416

■ 20.0587, 20.4618,
16.3111

■ 23.4406, 24.5699,
25.6253

■ 18.6247, 18.6410,
12.6049

■ 25.4005, 26.8653,
31.2867

■ 17.3535, 16.9701,
9.4938

■ 27.5473, 29.3267,
37.6508

■ 16.2378, 15.4445,
6.9461

■ 29.8863, 31.9577,
44.7407

■ 15.2700, 14.0594,
4.9266

■ 32.4224, 34.7619,
52.5786

■ 14.4416, 12.8094,
3.3965

■ 35.1607, 37.7425,
61.1858

■ 13.7431, 11.6889,
2.3113

■ 38.1057, 40.9029,
70.5827

■ 13.1630, 10.6913,
1.6168

■ 41.2620, 44.2463,
80.7888

■ 12.8410, 10.1226,
1.2771

■ 44.6341, 47.7757,
91.8230

Harmonies

Analogous

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



22.3286, 22.4357, 21.5630



21.6613, 22.4357, 20.6416



20.9186, 22.4357, 20.6919

Triad

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



21.6613, 22.4357, 20.6416



19.9763, 22.4357, 25.6171



22.3840, 22.4357, 27.3714

Complementary

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



21.6613, 22.4357, 20.6416



19.9144, 21.1949, 27.0865

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.



21.7355, 22.4357, 28.5902



21.6613, 22.4357, 20.6416



20.3509, 22.4357, 27.5376

Square

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



21.6613, 22.4357, 20.6416



19.9575, 22.4357, 23.4815



20.9911, 22.4357, 28.6527



22.7524, 22.4357, 25.4009

Rectangle

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



21.6613, 22.4357, 20.6416



20.4809, 22.4357, 21.2684



20.9911, 22.4357, 28.6527



22.1909, 22.4357, 27.8875

Sweetspot

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



21.6619, 22.4367, 20.6421



41.2132, 43.1845, 44.8715



20.9867, 20.1606, 23.2710



9.1944, 9.6273, 9.9238



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.



21.6619, 22.4367, 20.6421



37.1314, 38.2648, 33.5101



22.8475, 24.8855, 21.0523



5.2365, 5.4558, 5.3295



11.7879, 9.3103, 1.1758



0.0930, 0.0912, 0.0127

Inverse Universe

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



19.9144, 21.1949, 27.0865



33.3400, 35.5708, 47.4918



18.8359, 18.9733, 26.7145



4.9572, 5.2573, 6.3593



5.9721, 5.2145, 22.7374



0.0542, 0.0636, 0.1559

Previews

White Background



This preview shows how the XYZ color 21.6613, 22.4357, 20.6416 looks on a white background.

Color Contrast Check

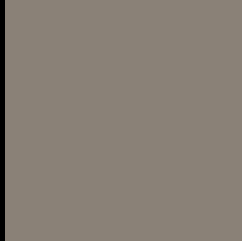
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6613, 22.4357, 20.6416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

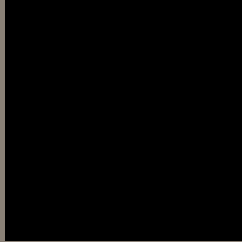
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.6613, 22.4357, 20.6416

Background



This preview shows how black text looks on a background with the XYZ color 21.6613, 22.4357, 20.6416.



This preview shows how white text looks on a background with the XYZ color 21.6613, 22.4357,

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

21.6613, 22.4357, 20.6416

Protanopia

21.3041, 22.4481, 20.6628

Deuteranopia

22.8836, 22.4808, 20.9024



Tritanopia

22.7200, 22.2747, 26.3945

Trichromacy



Original Color

21.6613, 22.4357, 20.6416

Protanomaly

21.4657, 22.5314, 20.6704

Deuteranomaly

22.4811, 22.4641, 20.9204

Tritanomaly

22.2661, 22.2794, 24.2459

Monochromacy



Original Color

21.6613, 22.4357, 20.6416

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.6449, 22.5659, 23.2935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6613, 22.4357, 20.6416 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, 129, 119)` looks like.

```
.text, #text, p{  
    color:rgb(138, 129, 119)  
}
```

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, 129, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 129, 119) }
```

Border

The CSS property to change the border of an element to XYZ 21.6613, 22.4357, 20.6416 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, 129, 119) }
```


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

```
.border{ border-color:rgb(138, 129, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 129, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 129, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 129, 119);  
box-shadow:4px 4px 4px 4px rgb(138, 129,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6613, 22.4357, 20.6416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 129, 119) }
```

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

```
.background{ background-color: rgb(138,  
129, 119) }
```

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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