

Converting Colors

XYZ(20.7681, 21.5395, 22.1090)

Have a look what the booklet for
XYZ(20.7681, 21.5395, 22.1090)
contains.

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Color

**XYZ(20.7432, 21.5395,
22.1330)**

Conversions

Conversions Part 1

Format	Color
Hex	847F7C
RGB	132, 127, 124
RGB Percent	52%, 50%, 49%
CMY	0.4823, 0.5019, 0.5137
CMYK	0.00, 0.04, 0.06, 0.48
HSL	23°, 3%, 50%
HSV	23°, 6%, 52%
XYZ	20.7432, 21.5395, 22.1330
YIQ	128.1530, 3.9430, 0.1270

Conversions

Conversions Part 2

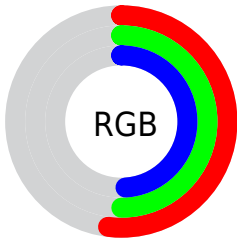
Format	Color
R_{YB}	132, 129, 124
Decimal	8683388
CIE Lab	53.53, 1.31, 2.29
CIE LCh	54, 2.643, 60.170
Yxy	21.5395, 0.3220, 0.3344
Android (android.graphics.Color)	4286873468 (0xFF847F7C)
YUV	128.1530, -2.0474, 3.3738
Hunter-Lab	46.4107, -1.4383, 4.2124

Details

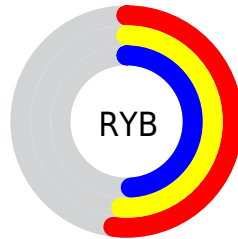
The XYZ color **20.7432, 21.5395, 22.1330** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.3273, 21.6513, 24.9379**, and the grayscale version is **20.5773, 21.6489, 23.5757**.

A 20% lighter version of the original color is **44.1653, 46.0914, 47.6431**, and **7.5617, 7.7958, 7.7628** is the 20% darker color. If you saturate the color by 10%, you get **18.9421, 19.1848, 17.6861**, and if you desaturate by 10%, it is **22.7445, 24.1152, 27.1985**.

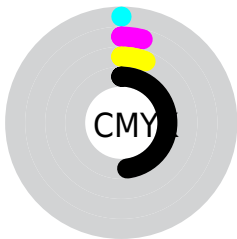
Distribution



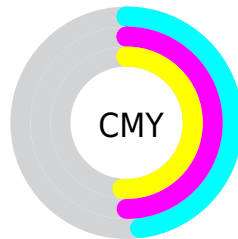
- Red (52%)
- Green (50%)
- Blue (49%)



- Red (52%)
- Yellow (51%)
- Blue (49%)



- Cyan (0%)
- Magenta (4%)
- Yellow (6%)
- Black (48%)



- Cyan (48%)
- Magenta (50%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7432, 21.5395, 22.1330 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 20.7432, 21.5395, 22.1330 by changing the saturation by 10% instead.

■ 20.7432, 21.5395,
22.1330

■ 20.7432, 21.5395,
22.1330

248.6682,
260.1319, 276.2162

■ 13.0478, 13.5189,
13.7554

■ 44.1543, 45.9837,
47.8707

■ 7.5387, 7.7868,
7.8139

■ 60.6006, 63.1761,
66.0679

■ 3.8505, 3.9589,
3.8901

■ 80.6947, 84.1946,
88.3754

■ 1.6179, 1.6506,
1.5652

104.8019,
109.4236, 115.2118

■ 0.4040, 0.3913,
0.2658

133.2874,
139.2474, 146.9955

■ 0.0000, 0.0000,
0.0000

166.5168,

174.0504, 184.1451

204.8552,
214.2171, 227.0791

■ 20.7432, 21.5395,
22.1330

■ 20.7432, 21.5395,
22.1330

■ 18.9421, 19.1848,
17.6861

■ 22.7445, 24.1152,
27.1985

■ 17.3329, 17.0423,
13.8326

■ 24.9503, 26.9147,
32.9038

■ 15.9092, 15.1068,
10.5474

■ 27.3671, 29.9444,
39.2708

■ 14.6640, 13.3717,
7.8031

■ 30.0007, 33.2096,
46.3201

■ 13.5892, 11.8303,
5.5703

■ 32.8563, 36.7153,
54.0710

■ 12.6765, 10.4751,
3.8163

■ 35.9392, 40.4666,
62.5425

■ 11.9165, 9.2984,
2.5049

■ 39.2545, 44.4681,
71.7525

■ 11.2989, 8.2916,
1.5945

■ 42.8070, 48.7246,
81.7186

■ 10.8078, 7.4438,
1.0165

■ 46.6015, 53.2405,
92.4574

Harmonies

Analogous

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



20.9444, 21.5395, 22.6820



20.7432, 21.5395, 22.1330



20.4710, 21.5395, 21.9359

Triad

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



20.7432, 21.5395, 22.1330



19.9359, 21.5395, 23.4575



20.7460, 21.5395, 24.8194

Complementary

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



20.7432, 21.5395, 22.1330



20.3273, 21.6513, 24.9379

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.



20.4743, 21.5395, 25.0382



20.7432, 21.5395, 22.1330



20.0080, 21.5395, 24.2410

Square

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



20.7432, 21.5395, 22.1330



20.0065, 21.5395, 22.6898



20.2045, 21.5395, 24.8242



20.9460, 21.5395, 24.2328

Rectangle

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



20.7432, 21.5395, 22.1330



20.2865, 21.5395, 22.0270



20.2045, 21.5395, 24.8242



20.6599, 21.5395, 24.9390

Sweetspot

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



20.7438, 21.5404, 22.1335



37.9122, 39.7173, 42.4375



20.6906, 20.9079, 23.7376



8.8381, 9.2617, 9.9091



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



20.7438, 21.5404, 22.1335



36.1750, 37.4696, 38.0768



21.2615, 22.5758, 22.3060



4.8860, 5.0591, 5.1333



10.3038, 6.9302, 0.7946



0.0423, 0.0372, 0.0050

Inverse Universe

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



20.3273, 21.6513, 24.9379



35.3148, 37.6984, 43.8684



19.8194, 20.6355, 24.7686



4.7674, 5.0907, 5.9321



6.9932, 7.5342, 22.2224



0.0313, 0.0402, 0.0793

Previews

White Background



This preview shows how the XYZ color 20.7432, 21.5395, 22.1330 looks on a white background.

Color Contrast Check

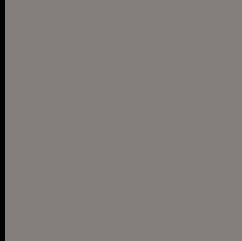
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7432, 21.5395, 22.1330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

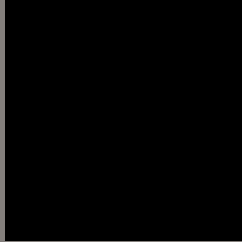
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.7432, 21.5395, 22.1330

Background



This preview shows how black text looks on a background with the XYZ color 20.7432, 21.5395, 22.1330.



This preview shows how white text looks on a background with the XYZ color 20.7432, 21.5395,

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

20.7432, 21.5395, 22.1330

Protanopia

20.5875, 21.4593, 22.1258

Deuteranopia

21.8938, 21.5587, 22.4094



Tritanopia

21.5383, 21.4848, 25.9335

Trichromacy



Original Color

20.7432, 21.5395, 22.1330

Protanomaly

20.5875, 21.4593, 22.1258

Deuteranomaly

21.5165, 21.5512, 22.4278

Tritanomaly

21.2305, 21.5469, 24.5127

Monochromacy



Original Color

20.7432, 21.5395, 22.1330

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.6032, 21.6378, 23.1693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7432, 21.5395, 22.1330 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(132, 127, 124)` looks like.

```
.text, #text, p{  
    color:rgb(132, 127, 124)  
}
```

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(132, 127, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 127, 124) }
```

Border

The CSS property to change the border of an element to XYZ 20.7432, 21.5395, 22.1330 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(132, 127, 124) }
```


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

```
.border{ border-color:rgb(132, 127, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 127, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 127, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 127, 124);  
box-shadow:4px 4px 4px 4px rgb(132, 127,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7432, 21.5395, 22.1330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 127, 124) }
```

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

```
.background{ background-color: rgb(132,  
127, 124) }
```

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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