

Converting Colors

XYZ(20.9820, 23.8249, 22.5394)

Have a look what the booklet for
XYZ(20.9820, 23.8249, 22.5394)
contains.

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Color

**XYZ(21.0387, 23.9173,
22.5764)**

Conversions

Conversions Part 1

Format	Color
Hex	7C8A7C
RGB	124, 138, 124
RGB Percent	49%, 54%, 49%
CMY	0.5137, 0.4588, 0.5137
CMYK	0.10, 0.00, 0.10, 0.46
HSL	120°, 6%, 51%
HSV	120°, 10%, 54%
XYZ	21.0387, 23.9173, 22.5764
YIQ	132.2180, -3.8500, -7.3220

Conversions

Conversions Part 2

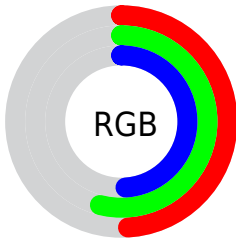
Format	Color
RYB	124, 138, 138
Decimal	8161916
CIELab	56.00, -7.91, 5.77
CIELCh	56, 9.791, 143.883
Yxy	23.9173, 0.3115, 0.3542
Android (android.graphics.Color)	4286351996 (0xFF7C8A7C)
YUV	132.2180, -4.0515, -7.2072
Hunter-Lab	48.9053, -8.7949, 6.8634

Details

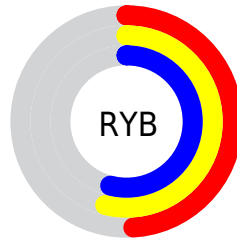
The XYZ color **21.0387, 23.9173, 22.5764** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.2771, 21.6540, 27.0513**, and the grayscale version is **22.0265, 23.1736, 25.2360**.

A 20% lighter version of the original color is **44.5987, 49.7433, 48.3251**, and **7.6614, 8.9833, 7.9868** is the 20% darker color. If you saturate the color by 10%, you get **18.3697, 22.6360, 18.2104**, and if you desaturate by 10%, it is **24.1103, 25.3934, 27.5998**.

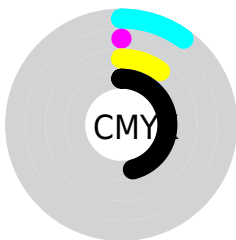
Distribution



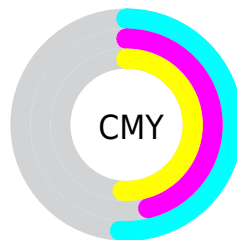
- Red (49%)
- Green (54%)
- Blue (49%)



- Red (49%)
- Yellow (54%)
- Blue (54%)



- Cyan (10%)
- Magenta (0%)
- Yellow (10%)
- Black (46%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0387, 23.9173, 22.5764 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 21.0387, 23.9173, 22.5764 by changing the saturation by 10% instead.

■ 21.0387, 23.9173,
22.5764

■ 21.0387, 23.9173,
22.5764

250.2119,
272.4021, 278.5928

■ 13.2649, 15.2723,
14.0787

■ 44.6427, 49.8952,
48.6112

■ 7.6895, 9.0107,
8.0360

■ 61.2037, 67.9969,
66.9853

■ 3.9470, 4.7482,
4.0299

■ 81.4244, 90.0196,
89.4887

■ 1.6722, 2.1003,
1.6418

105.6702,
116.3477, 116.5398

■ 0.4388, 0.6648,
0.3204

134.3065,
147.3656, 148.5573

■ 0.0000, 0.0000,
0.0000

167.6987,

183.4577, 185.9596

206.2120,
225.0084, 229.1652

■ 21.0387, 23.9173,
22.5764

■ 21.0387, 23.9173,
22.5764

■ 18.3697, 22.6360,
18.2104

■ 24.1103, 25.3934,
27.5998

■ 16.0849, 21.5384,
14.4731

■ 27.5981, 27.0688,
33.3047

■ 14.1670, 20.6172,
11.3361

■ 31.5177, 28.9516,
39.7156

■ 12.5970, 19.8630,
8.7681

■ 35.8829, 31.0485,
46.8555

■ 11.3541, 19.2660,
6.7350

■ 40.7074, 33.3659,
54.7465

■ 10.4151, 18.8150,
5.1992

■ 46.0039, 35.9101,
63.4095

■ 9.7541, 18.4974,
4.1178

■ 51.7847, 38.6869,
72.8646

■ 9.3405, 18.2988,
3.4412

■ 58.0618, 41.7021,
83.1315

■ 9.0890, 18.1780,
3.0299

■ 64.8466, 44.9612,
94.2288

Harmonies

Analogous

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



21.8727, 23.9173, 20.8046



21.0387, 23.9173, 22.5764



20.6600, 23.9173, 25.3908

Triad

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



21.0387, 23.9173, 22.5764



22.5042, 23.9173, 32.6610



24.7571, 23.9173, 23.6262

Complementary

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



21.0387, 23.9173, 22.5764



22.2771, 21.6540, 27.0513

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.



24.9396, 23.9173, 26.7039



21.0387, 23.9173, 22.5764



23.6149, 23.9173, 32.0916

Square

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



21.0387, 23.9173, 22.5764



21.4880, 23.9173, 31.3429



24.5152, 23.9173, 29.8450



24.0245, 23.9173, 21.3750

Rectangle

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



21.0387, 23.9173, 22.5764



20.7075, 23.9173, 27.5484



24.5152, 23.9173, 29.8450



24.8858, 23.9173, 24.5913

Sweetspot

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



21.0394, 23.9183, 22.5769



40.8426, 43.9637, 45.9421



23.2089, 25.0368, 22.6782



9.0684, 9.8165, 10.1535



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.



21.0394, 23.9183, 22.5769



36.0330, 41.6534, 38.0753



21.4981, 24.1018, 24.9924



4.9719, 5.6082, 5.3729



8.3329, 16.6657, 2.7778



0.0554, 0.1107, 0.0185

Inverse Universe

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



22.2771, 21.6540, 27.0513



38.6316, 36.8997, 47.4689



21.7864, 21.4577, 24.4669



5.2339, 5.1290, 6.3199



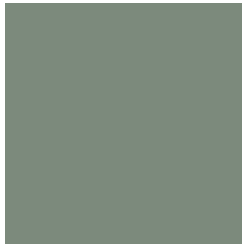
13.8154, 6.6363, 22.5962



0.0918, 0.0441, 0.1501

Previews

White Background



This preview shows how the XYZ color 21.0387, 23.9173, 22.5764 looks on a white background.

Color Contrast Check

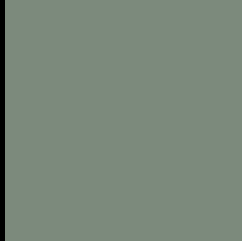
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0387, 23.9173, 22.5764 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

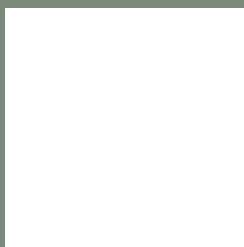
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0387, 23.9173, 22.5764

Background



This preview shows how black text looks on a background with the XYZ color 21.0387, 23.9173, 22.5764.



This preview shows how white text looks on a background with the XYZ color 21.0387, 23.9173,

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

21.0387, 23.9173, 22.5764

Protanopia

22.6854, 23.9443, 21.8384

Deuteranopia

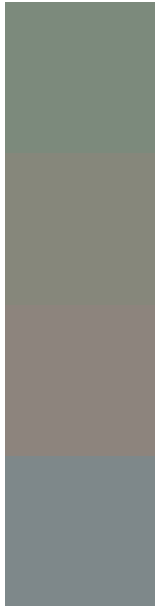
24.1938, 23.6909, 23.0363



Tritanopia

22.6047, 23.9153, 30.6188

Trichromacy



Original Color

21.0387, 23.9173, 22.5764

Protanomaly

22.0706, 23.8263, 22.1746

Deuteranomaly

22.9374, 23.6459, 22.7572

Tritanomaly

21.9958, 23.8789, 27.4945

Monochromacy



Original Color

21.0387, 23.9173, 22.5764

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.5408, 23.3023, 24.1313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0387, 23.9173, 22.5764 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(124, 138, 124) looks like.

```
.text, #text, p{  
    color:rgb(124, 138, 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(124, 138, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 138, 124) }
```

Border

The CSS property to change the border of an element to XYZ 21.0387, 23.9173, 22.5764 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(124, 138, 124) }
```


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

```
.border{ border-color:rgb(124, 138, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 138, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 138, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 138, 124);  
box-shadow:4px 4px 4px 4px rgb(124, 138,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0387, 23.9173, 22.5764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 138, 124) }
```

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

```
.background{ background-color: rgb(124,  
138, 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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