

Converting Colors

XYZ(21.0781, 23.8027, 23.8842)

Have a look what the booklet for
XYZ(21.0781, 23.8027, 23.8842)
contains.

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Color

**XYZ(21.1531, 23.9464,
23.9293)**

Conversions

Conversions Part 1

Format	Color
Hex	7B8A80
RGB	123, 138, 128
RGB Percent	48%, 54%, 50%
CMY	0.5176, 0.4588, 0.4980
CMYK	0.11, 0.00, 0.07, 0.46
HSL	140°, 6%, 51%
HSV	140°, 11%, 54%
XYZ	21.1531, 23.9464, 23.9293
YIQ	132.3750, -5.7300, -6.2900

Conversions

Conversions Part 2

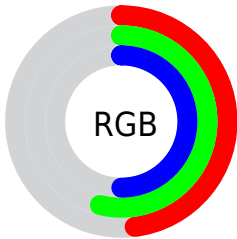
Format	Color
R_{YB}	123, 134, 138
Decimal	8096384
CIE _{Lab}	56.03, -7.49, 3.50
CIE _{LCh}	56, 8.266, 154.932
Yxy	23.9464, 0.3064, 0.3469
Android (android.graphics.Color)	4286286464 (0xFF7B8A80)
YUV	132.3750, -2.1569, -8.2219
Hunter-Lab	48.9351, -8.4764, 5.2617

Details

The XYZ color **21.1531, 23.9464, 23.9293** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.7986, 21.2632, 25.1466**, and the grayscale version is **22.0771, 23.2268, 25.2940**.

A 20% lighter version of the original color is **44.8758, 49.8279, 50.9686**, and **7.7250, 8.9998, 8.7271** is the 20% darker color. If you saturate the color by 10%, you get **18.7381, 22.7689, 20.7972**, and if you desaturate by 10%, it is **23.9027, 25.2914, 27.3648**.

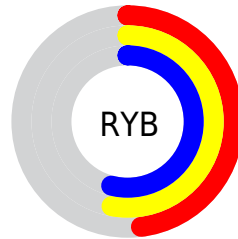
Distribution



Red (48%)

Green (54%)

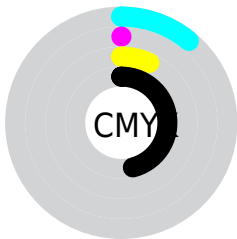
Blue (50%)



Red (48%)

Yellow (53%)

Blue (54%)

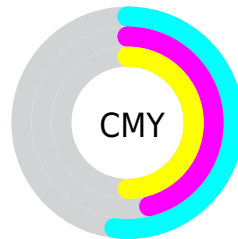


Cyan (11%)

Magenta (0%)

Yellow (7%)

Black (46%)



Cyan (52%)

Magenta (46%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1531, 23.9464, 23.9293 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 21.1531, 23.9464, 23.9293 by changing the saturation by 10% instead.

■ 21.1531, 23.9464,
23.9293

■ 21.1531, 23.9464,
23.9293

250.8074,
272.5494, 285.7379

■ 13.3491, 15.2939,
15.0695

■ 44.8316, 49.9427,
50.8572

■ 7.7480, 9.0259,
8.7210

■ 61.4367, 68.0553,
69.7623

■ 3.9846, 4.7581,
4.4653

■ 81.7062, 90.0900,
92.8530

■ 1.6934, 2.1060,
1.8839

106.0055,
116.4312, 120.5477

■ 0.4521, 0.6680,
0.4825

134.6999,
147.4634, 153.2650

■ 0.0000, 0.0000,
0.0000

168.1548,

183.5709, 191.4234

206.7355,
225.1381, 235.4416

■ 21.1531, 23.9464,
23.9293

■ 21.1531, 23.9464,
23.9293

■ 18.7381, 22.7689,
20.7972

■ 23.9027, 25.2914,
27.3648

■ 16.6426, 21.7493,
17.9587

■ 26.9972, 26.8070,
31.1099

■ 14.8535, 20.8817,
15.4058

■ 30.4490, 28.5001,
35.1728

■ 13.3558, 20.1584,
13.1295

■ 34.2691, 30.3762,
39.5607

■ 12.1331, 19.5713,
11.1203

■ 38.4682, 32.4408,
44.2808

■ 11.1676, 19.1113,
9.3684

■ 43.0564, 34.6989,
49.3399

■ 10.4392, 18.7684,
7.8629

■ 48.0435, 37.1554,
54.7447

■ 9.9242, 18.5305,
6.5926

■ 53.4391, 39.8151,
60.5016

■ 9.5820, 18.3751,
5.6261

■ 59.2522, 42.6825,
66.6169

Harmonies

Analogous

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



21.7352, 23.9464, 22.0340



21.1531, 23.9464, 23.9293



20.9968, 23.9464, 26.5237

Triad

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



21.1531, 23.9464, 23.9293



22.9170, 23.9464, 31.6121



24.2835, 23.9464, 23.2047

Complementary

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



21.1531, 23.9464, 23.9293



21.7986, 21.2632, 25.1466

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.



24.6199, 23.9464, 25.6286



21.1531, 23.9464, 23.9293



23.8172, 23.9464, 30.5790

Square

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



21.1531, 23.9464, 23.9293



21.9988, 23.9464, 31.0794



24.4470, 23.9464, 28.3422



23.5393, 23.9464, 21.6363

Rectangle

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



21.1531, 23.9464, 23.9293



21.1514, 23.9464, 28.3303



24.4470, 23.9464, 28.3422



24.4489, 23.9464, 23.9399

Sweetspot

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



21.1538, 23.9474, 23.9298



41.0167, 44.0333, 46.8588



22.3769, 24.6151, 22.3109



9.1166, 9.8357, 10.4070



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.



21.1538, 23.9474, 23.9298



36.2078, 41.6833, 40.8014



21.6484, 24.1453, 26.5346



5.0361, 5.6339, 5.7114



8.7912, 16.8491, 5.1911



0.0647, 0.1144, 0.0675

Inverse Universe

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



21.7986, 21.2632, 25.1466



37.5739, 35.9966, 43.3788



21.3147, 21.0696, 22.5980



5.1642, 5.1011, 5.9529



11.3881, 5.6653, 9.8139



0.0825, 0.0404, 0.1011

Previews

White Background



This preview shows how the XYZ color 21.1531, 23.9464, 23.9293 looks on a white background.

Color Contrast Check

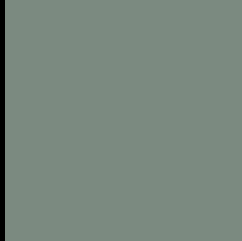
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1531, 23.9464, 23.9293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

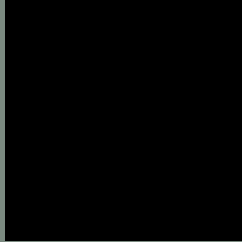
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.1531, 23.9464, 23.9293

Background



This preview shows how black text looks on a background with the XYZ color 21.1531, 23.9464, 23.9293.



This preview shows how white text looks on a background with the XYZ color 21.1531, 23.9464,

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

21.1531, 23.9464, 23.9293

Protanopia

22.7722, 23.9598, 23.1631

Deuteranopia

24.4063, 23.9665, 24.4587



Tritanopia

22.4565, 23.8389, 30.6119

Trichromacy



Original Color

21.1531, 23.9464, 23.9293

Protanomaly

22.1676, 23.8468, 23.5132

Deuteranomaly

23.1652, 23.9355, 24.1680

Tritanomaly

21.9218, 23.8324, 27.8708

Monochromacy



Original Color

21.1531, 23.9464, 23.9293

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.6751, 23.3560, 24.8385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1531, 23.9464, 23.9293 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(123, 138, 128)` looks like.

```
.text, #text, p{  
    color:rgb(123, 138, 128)  
}
```

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(123, 138, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 138, 128) }
```

Border

The CSS property to change the border of an element to XYZ 21.1531, 23.9464, 23.9293 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(123, 138, 128) }
```


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

```
.border{ border-color:rgb(123, 138, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 138, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 138, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 138, 128);  
box-shadow:4px 4px 4px 4px rgb(123, 138,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1531, 23.9464, 23.9293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 138, 128) }
```

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

```
.background{ background-color: rgb(123,  
138, 128) }
```

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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