

Converting Colors

XYZ(21.4227, 21.9502, 23.8373)

Have a look what the booklet for
XYZ(21.4227, 21.9502, 23.8373)
contains.

XYZ(21.5131, 22.0917, 23.8991)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.5131, 22.0917,
23.8991)**

Conversions

Conversions Part 1

Format	Color
Hex	868081
RGB	134, 128, 129
RGB Percent	53%, 50%, 51%
CMY	0.4745, 0.4980, 0.4941
CMYK	0.00, 0.04, 0.04, 0.47
HSL	350°, 2%, 51%
HSV	350°, 4%, 53%
XYZ	21.5131, 22.0917, 23.8991
YIQ	129.9080, 3.2550, 1.5830

Conversions

Conversions Part 2

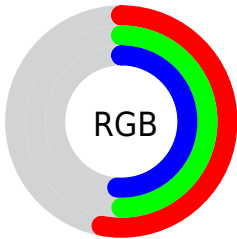
Format	Color
RYB	134, 128, 129
Decimal	8814721
CIELab	54.12, 2.45, 0.26
CIELCh	54, 2.468, 6.054
Yxy	22.0917, 0.3187, 0.3273
Android (android.graphics.Color)	4287004801 (0xFF868081)
YUV	129.9080, -0.4476, 3.5887
Hunter-Lab	47.0018, -0.5523, 2.7540

Details

The XYZ color **21.5131, 22.0917, 23.8991** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.6616, 23.3333, 25.5535**, and the grayscale version is **21.1868, 22.2902, 24.2740**.

A 20% lighter version of the original color is **45.4609, 46.9899, 50.9299**, and **7.9001, 8.0560, 8.7280** is the 20% darker color. If you saturate the color by 10%, you get **19.1771, 18.5436, 19.6548**, and if you desaturate by 10%, it is **24.1625, 26.1359, 28.6490**.

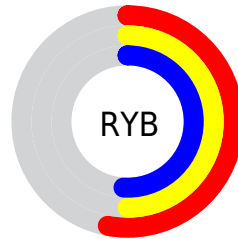
Distribution



Red (53%)

Green (50%)

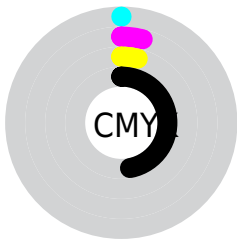
Blue (51%)



Red (53%)

Yellow (50%)

Blue (51%)

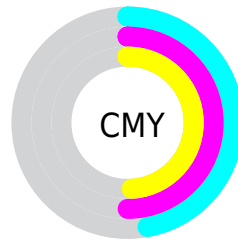


Cyan (0%)

Magenta (4%)

Yellow (4%)

Black (47%)



Cyan (47%)

Magenta (50%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5131, 22.0917, 23.8991 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 21.5131, 22.0917, 23.8991 by changing the saturation by 10% instead.

■ 21.5131, 22.0917,
23.8991

■ 21.5131, 22.0917,
23.8991

252.6733,
263.0248, 285.5801

■ 13.6142, 13.9243,
15.0473

■ 45.4248, 46.8975,
50.8073

■ 7.9327, 8.0680,
8.7056

■ 62.1683, 64.3047,
69.7007

■ 4.1034, 4.1385,
4.4555

■ 82.5906, 85.5606,
92.7784

■ 1.7608, 1.7513,
1.8784

107.0573,
111.0496, 120.4589

■ 0.4939, 0.4566,
0.4789

135.9335,
141.1562, 153.1608

■ 0.0000, 0.0000,
0.0000

169.5847,

176.2646, 191.3026

208.3762,
216.7594, 235.3029

■ 21.5131, 22.0917,
23.8991

■ 21.5131, 22.0917,
23.8991

■ 19.1771, 18.5436,
19.6548

■ 24.1625, 26.1359,
28.6490

■ 17.1409, 15.4696,
15.8981

■ 27.1342, 30.6913,
33.9189

■ 15.3929, 12.8507,
12.6117

■ 30.4394, 35.7760,
39.7246

■ 13.9199, 10.6650,
9.7769

■ 34.0881, 41.4060,
46.0806

■ 12.7078, 8.8891,
7.3740

■ 38.0897, 47.5972,
53.0010

■ 11.7411, 7.4974,
5.3814

■ 42.4535, 54.3643,
60.4992

■ 11.0025, 6.4613,
3.7760

■ 47.1882, 61.7218,
68.5884

■ 10.4728, 5.7482,
2.5319

■ 52.3024, 69.6835,
77.2810

■ 10.1270, 5.3151,
1.6195

■ 57.8044, 78.2629,
86.5895

Harmonies

Analogous

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



21.4711, 22.0917, 24.6569



21.5131, 22.0917, 23.8991



21.4160, 22.0917, 23.1976

Triad

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



21.5131, 22.0917, 23.8991



20.6963, 22.0917, 22.8828



20.7894, 22.0917, 25.4255

Complementary

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



21.5131, 22.0917, 23.8991



21.6616, 23.3333, 25.5535

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.



20.5844, 22.0917, 24.9315



21.5131, 22.0917, 23.8991



20.5310, 22.0917, 23.4612

Square

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



21.5131, 22.0917, 23.8991



20.9433, 22.0917, 22.6189



20.4902, 22.0917, 24.2098



21.0518, 22.0917, 25.5488

Rectangle

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



21.5131, 22.0917, 23.8991



21.2860, 22.0917, 22.8528



20.4902, 22.0917, 24.2098



20.7116, 22.0917, 25.2968

Sweetspot

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



21.5137, 22.0927, 23.8996



39.4532, 41.2848, 44.8961



21.6958, 22.1472, 25.6857



8.8958, 9.3123, 10.1279



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.



21.5137, 22.0927, 23.8996



37.6274, 38.5024, 41.6075



21.7111, 22.5929, 23.6399



4.9040, 5.0078, 5.4083



9.3548, 4.8063, 1.1749



0.0342, 0.0174, 0.0137

Inverse Universe

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



21.5137, 22.0927, 23.8996



37.6274, 38.5024, 41.6075



21.4572, 22.8136, 25.8269



4.9040, 5.0078, 5.4083



9.3548, 4.8063, 1.1749



0.0342, 0.0174, 0.0137

Previews

White Background



This preview shows how the XYZ color 21.5131, 22.0917, 23.8991 looks on a white background.

Color Contrast Check

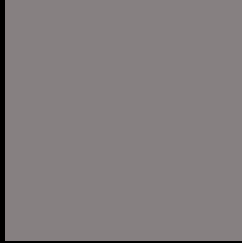
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5131, 22.0917, 23.8991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

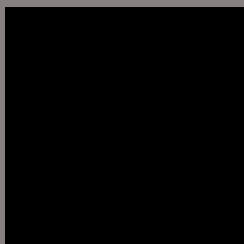
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.5131, 22.0917, 23.8991

Background



This preview shows how black text looks on a background with the XYZ color 21.5131, 22.0917, 23.8991.



This preview shows how white text looks on a background with the XYZ color 21.5131, 22.0917,

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

21.5131, 22.0917, 23.8991

Protanopia

21.3284, 22.1910, 23.9280

Deuteranopia

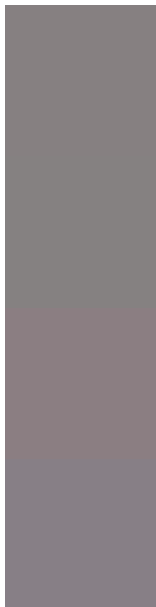
22.5182, 22.0297, 24.1844



Tritanopia

22.0964, 22.1358, 26.7749

Trichromacy



Original Color

21.5131, 22.0917, 23.8991

Protanomaly

21.4856, 22.2720, 23.9354

Deuteranomaly

22.1376, 22.0224, 24.2031

Tritanomaly

21.8841, 22.0509, 25.6571

Monochromacy



Original Color

21.5131, 22.0917, 23.8991

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.2396, 22.1375, 24.2726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5131, 22.0917, 23.8991 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(134, 128, 129)` looks like.

```
.text, #text, p{  
    color:rgb(134, 128, 129)  
}
```

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(134, 128, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 128, 129) }
```

Border

The CSS property to change the border of an element to XYZ 21.5131, 22.0917, 23.8991 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(134, 128, 129) }
```


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

```
.border{ border-color:rgb(134, 128, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 128, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(134, 128, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(134, 128, 129); box-shadow:4px 4px 4px 4px rgb(134, 128, 129) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5131, 22.0917, 23.8991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 128, 129) }
```

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

```
.background{ background-color: rgb(134,  
128, 129) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor