

Converting Colors

XYZ(20.0609, 21.3069, 23.9345)

Have a look what the booklet for
XYZ(20.0609, 21.3069, 23.9345)
contains.

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Color

**XYZ(19.9938, 21.3084,
23.8280)**

Conversions

Conversions Part 1

Format	Color
Hex	7C8081
RGB	124, 128, 129
RGB Percent	49%, 50%, 51%
CMY	0.5137, 0.4980, 0.4941
CMYK	0.04, 0.01, 0.00, 0.49
HSL	192°, 2%, 50%
HSV	192°, 4%, 51%
XYZ	19.9938, 21.3084, 23.8280
YIQ	126.9180, -2.7050, -0.5370

Conversions

Conversions Part 2

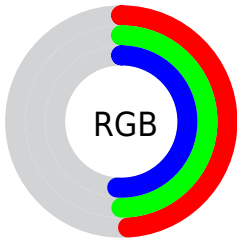
Format	Color
R_{YB}	124, 126, 129
Decimal	8159361
CIE _{Lab}	53.29, -1.28, -1.07
CIE _{LCh}	53, 1.665, 219.804
Yxy	21.3084, 0.3070, 0.3272
Android (android.graphics.Color)	4286349441 (0xFF7C8081)
YUV	126.9180, 1.0264, -2.5591
Hunter-Lab	46.1610, -3.4678, 1.7076

Details

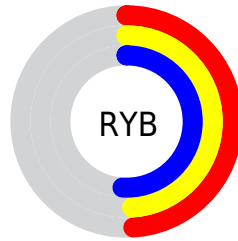
The XYZ color **19.9938, 21.3084, 23.8280** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.0250, 20.7894, 22.0265**, and the grayscale version is **20.1424, 21.1914, 23.0774**.

A 20% lighter version of the original color is **42.8719, 45.6553, 50.8087**, and **7.1456, 7.6670, 8.6927** is the 20% darker color. If you saturate the color by 10%, you get **17.9188, 19.7471, 23.6363**, and if you desaturate by 10%, it is **22.3225, 23.0144, 24.0349**.

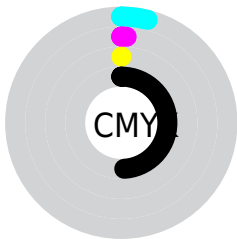
Distribution



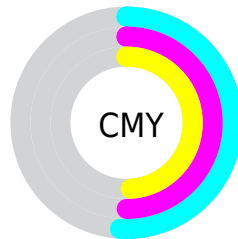
- Red (49%)
- Green (50%)
- Blue (51%)



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



- Cyan (4%)
- Magenta (1%)
- Yellow (0%)
- Black (49%)



- Cyan (51%)
- Magenta (50%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9938, 21.3084, 23.8280 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 19.9938, 21.3084, 23.8280 by changing the saturation by 10% instead.

■ 19.9938, 21.3084,
23.8280

■ 19.9938, 21.3084,
23.8280

244.7158,
258.9130, 285.2082

■ 12.4988, 13.3496,
14.9951

■ 42.9108, 45.6002,
50.6897

■ 7.1589, 7.6697,
8.6693

■ 59.0635, 62.7021,
69.5555

■ 3.6089, 3.8844,
4.4323

■ 78.8328, 83.6204,
92.6027

■ 1.4833, 1.6091,
1.8654

102.5841,
108.7396, 120.2498

■ 0.3145, 0.3637,
0.4706

130.6826,
138.4440, 152.9154

■ 0.0000, 0.0000,
0.0000

163.4939,

173.1182, 191.0180

201.3831,
213.1463, 234.9761

■ 19.9938, 21.3084,
23.8280

■ 19.9938, 21.3084,
23.8280

■ 17.9188, 19.7471,
23.6363

■ 22.3225, 23.0144,
24.0349

■ 16.0861, 18.3226,
23.4580

■ 24.9120, 24.8669,
24.2560

■ 14.4863, 17.0307,
23.2929

■ 27.7713, 26.8714,
24.4922

■ 13.1087, 15.8657,
23.1407

■ 30.9087, 29.0321,
24.7439

■ 11.9416, 14.8215,
23.0006

■ 34.3318, 31.3532,
25.0115

■ 10.9722, 13.8914,
22.8722

■ 38.0481, 33.8385,
25.2953

■ 10.1863, 13.0680,
22.7547

■ 42.0648, 36.4918,
25.5957

■ 9.5678, 12.3428,
22.6473

■ 46.3888, 39.3168,
25.9131

■ 9.0960, 11.7052,
22.5491

■ 51.0268, 42.3171,
26.2478

Harmonies

Analogous

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



19.9209, 21.3084, 23.3669



19.9938, 21.3084, 23.8280



20.1362, 21.3084, 24.1239

Triad

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



19.9938, 21.3084, 23.8280



20.5727, 21.3084, 23.5379



20.1954, 21.3084, 22.2581

Complementary

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



19.9938, 21.3084, 23.8280



20.0250, 20.7894, 22.0265

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.



20.3702, 21.3084, 22.3024



19.9938, 21.3084, 23.8280



20.5887, 21.3084, 23.0364

Square

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



19.9938, 21.3084, 23.8280



20.4707, 21.3084, 23.9547



20.5144, 21.3084, 22.5855



20.0369, 21.3084, 22.4637

Rectangle

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



19.9938, 21.3084, 23.8280



20.2518, 21.3084, 24.1852



20.5144, 21.3084, 22.5855



20.2542, 21.3084, 22.2443

Sweetspot

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



19.9944, 21.3093, 23.8285



36.9474, 39.0042, 42.7737



19.8591, 21.4645, 22.4708



8.3696, 8.8334, 9.6822



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



19.9944, 21.3093, 23.8285



35.3194, 37.7987, 42.6268



19.6826, 20.6858, 23.7245



4.5540, 4.8792, 5.5150



8.6202, 11.0589, 21.9302



0.0000, 0.0000, 0.0000

Inverse Universe

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



20.1577, 20.6414, 23.3449



35.7033, 36.2356, 41.4880



20.3350, 21.4093, 22.1298



4.6069, 4.6642, 5.3581



11.2281, 5.5109, 13.0566



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 19.9938, 21.3084, 23.8280 looks on a white background.

Color Contrast Check

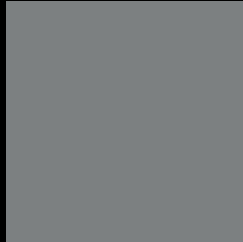
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9938, 21.3084, 23.8280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

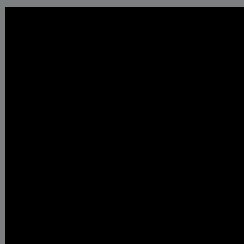
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

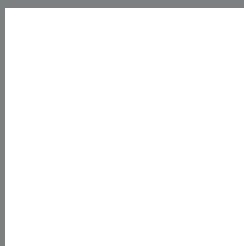
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9938, 21.3084, 23.8280

Background



This preview shows how black text looks on a background with the XYZ color 19.9938, 21.3084, 23.8280.



This preview shows how white text looks on a background with the XYZ color 19.9938, 21.3084,

23.8280.

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

19.9938, 21.3084, 23.8280

Protanopia

20.5389, 21.4044, 23.4710

Deuteranopia

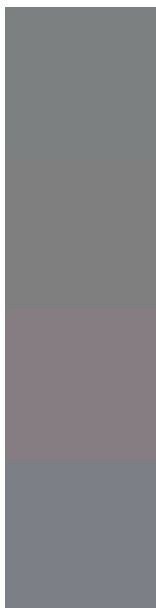
21.5935, 21.1809, 24.0693



Tritanopia

20.5622, 21.3449, 26.7031

Trichromacy



Original Color

19.9938, 21.3084, 23.8280

Protanomaly

20.2381, 21.2493, 23.4569

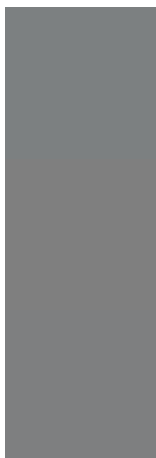
Deuteranomaly

21.0357, 21.2655, 24.1150

Tritanomaly

20.3499, 21.2599, 25.5853

Monochromacy



Original Color

19.9938, 21.3084, 23.8280

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.0898, 21.1729, 23.4500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9938, 21.3084, 23.8280 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, 128, 129) looks like.

```
.text, #text, p{  
    color:rgb(124, 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(124, 128, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 128, 129) }
```

Border

The CSS property to change the border of an element to XYZ 19.9938, 21.3084, 23.8280 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, 128, 129) }
```


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

```
.border{ border-color:rgb(124, 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(124, 128, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 128, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 128, 129);  
box-shadow:4px 4px 4px 4px rgb(124, 128,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9938, 21.3084, 23.8280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 128, 129) }
```

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

```
.background{ background-color: rgb(124,  
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](#).

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