

Converting Colors

XYZ(22.0169, 23.7897, 23.9892)

Have a look what the booklet for
XYZ(22.0169, 23.7897, 23.9892)
contains.

XYZ(21.9203, 23.7118, 23.8436)	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(21.9203, 23.7118,
23.8436)**

Conversions

Conversions Part 1

Format	Color
Hex	838780
RGB	131, 135, 128
RGB Percent	51%, 53%, 50%
CMY	0.4863, 0.4706, 0.4980
CMYK	0.03, 0.00, 0.05, 0.47
HSL	94°, 3%, 52%
HSV	94°, 5%, 53%
XYZ	21.9203, 23.7118, 23.8436
YIQ	133.0060, -0.1370, -3.0250

Conversions

Conversions Part 2

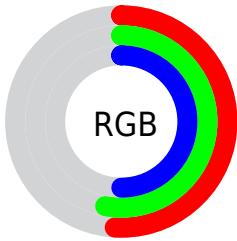
Format	Color
R_{YB}	128, 135, 132
Decimal	8619904
CIE _{Lab}	55.80, -2.85, 3.24
CIE _{LCh}	56, 4.315, 131.343
Yxy	23.7118, 0.3155, 0.3413
Android (android.graphics.Color)	4286809984 (0xFF838780)
YUV	133.0060, -2.4680, -1.7593
Hunter-Lab	48.6948, -4.8628, 5.0547

Details

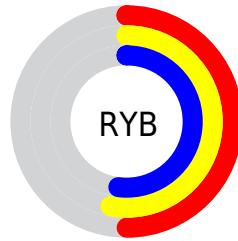
The XYZ color **21.9203, 23.7118, 23.8436** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.6091, 22.0939, 26.0486**, and the grayscale version is **22.3058, 23.4675, 25.5561**.

A 20% lighter version of the original color is **46.0909, 49.4930, 50.8399**, and **8.1395, 8.8554, 8.6774** is the 20% darker color. If you saturate the color by 10%, you get **19.9392, 22.7871, 19.4169**, and if you desaturate by 10%, it is **24.1101, 24.7318, 28.8983**.

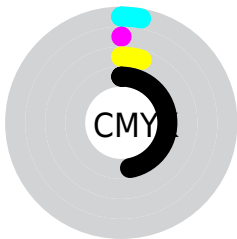
Distribution



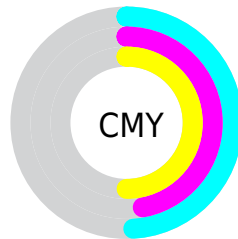
- Red (51%)
- Green (53%)
- Blue (50%)



- Red (50%)
- Yellow (53%)
- Blue (52%)



- Cyan (3%)
- Magenta (0%)
- Yellow (5%)
- Black (47%)



- Cyan (49%)
- Magenta (47%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9203, 23.7118, 23.8436 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 21.9203, 23.7118, 23.8436 by changing the saturation by 10% instead.

■ 21.9203, 23.7118,
23.8436

■ 21.9203, 23.7118,
23.8436

254.7700,
271.3602, 285.2899

■ 13.9146, 15.1200,
15.0065

■ 46.0941, 49.5595,
50.7155

■ 8.1426, 8.9036,
8.6773

■ 62.9929, 67.5841,
69.5874

■ 4.2389, 4.6784,
4.4374

■ 83.5868, 89.5219,
92.6413

■ 1.8382, 2.0598,
1.8682

108.2411,
115.7570, 120.2957

■ 0.5405, 0.6419,
0.4724

137.3212,
146.6740, 152.9693

■ 0.0000, 0.0000,
0.0000

171.1925,

182.6573, 191.0804

210.2203,
224.0912, 235.0478

■ 21.9203, 23.7118,
23.8436

■ 21.9203, 23.7118,
23.8436

■ 19.9392, 22.7871,
19.4169

■ 24.1101, 24.7318,
28.8983

■ 18.1582, 21.9518,
15.5921

■ 26.5128, 25.8466,
34.6027

■ 16.5710, 21.2038,
12.3437

■ 29.1350, 27.0600,
40.9791

■ 15.1703, 20.5400,
9.6436

■ 31.9826, 28.3745,
48.0485

■ 13.9481, 19.9570,
7.4614

■ 35.0609, 29.7923,
55.8310

■ 12.8960, 19.4511,
5.7640

■ 38.3752, 31.3159,
64.3457

■ 12.0046, 19.0183,
4.5139

■ 41.9308, 32.9475,
73.6112

■ 11.2632, 18.6541,
3.6687

■ 45.7325, 34.6891,
83.6452

■ 10.6579, 18.3525,
3.1672

■ 49.7851, 36.5431,
94.4651

Harmonies

Analogous

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



22.3524, 23.7118, 23.2603



21.9203, 23.7118, 23.8436



21.6559, 23.7118, 24.9640

Triad

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



21.9203, 23.7118, 23.8436



22.2371, 23.7118, 28.4617



23.4744, 23.7118, 25.2907

Complementary

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



21.9203, 23.7118, 23.8436



21.6091, 22.0939, 26.0486

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.



23.4424, 23.7118, 26.6915



21.9203, 23.7118, 23.8436



22.7233, 23.7118, 28.5569

Square

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



21.9203, 23.7118, 23.8436



21.8369, 23.7118, 27.6431



23.1659, 23.7118, 27.8987



23.2526, 23.7118, 24.0753

Rectangle

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



21.9203, 23.7118, 23.8436



21.6079, 23.7118, 25.8815



23.1659, 23.7118, 27.8987



23.4931, 23.7118, 25.7549

Sweetspot

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



21.9210, 23.7128, 23.8441



40.4452, 43.0178, 45.4187



22.1357, 23.2039, 23.7346



9.3789, 9.9681, 10.5465



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.



21.9210, 23.7128, 23.8441



38.9020, 42.2986, 41.8992



21.4939, 23.4891, 23.9849



4.9174, 5.3538, 5.2827



9.6036, 16.8108, 2.7386



0.0413, 0.0624, 0.0099

Inverse Universe

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



21.6091, 22.0939, 26.0486



38.2457, 38.8910, 46.5393



22.0522, 22.3261, 25.8981



4.8311, 4.9057, 5.8930



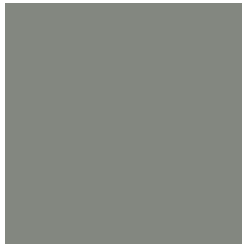
6.8835, 3.0827, 21.3689



0.0322, 0.0150, 0.0744

Previews

White Background



This preview shows how the XYZ color 21.9203, 23.7118, 23.8436 looks on a white background.

Color Contrast Check

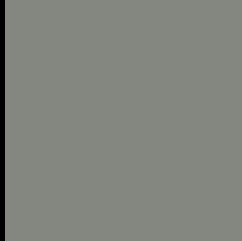
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9203, 23.7118, 23.8436 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

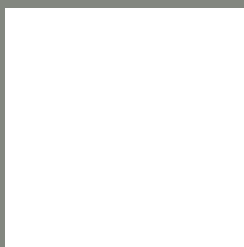
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9203, 23.7118, 23.8436

Background



This preview shows how black text looks on a background with the XYZ color 21.9203, 23.7118, 23.8436.



This preview shows how white text looks on a background with the XYZ color 21.9203, 23.7118,

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

21.9203, 23.7118, 23.8436

Protanopia

22.6995, 23.7106, 23.4589

Deuteranopia

24.0254, 23.5814, 24.0543



Tritanopia

23.0183, 23.7448, 29.3566

Trichromacy



Original Color

21.9203, 23.7118, 23.8436

Protanomaly

22.3475, 23.7334, 23.4818

Deuteranomaly

23.2341, 23.5684, 24.0935

Tritanomaly

22.6283, 23.7907, 27.4442

Monochromacy



Original Color

21.9203, 23.7118, 23.8436

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.1376, 23.5944, 24.8601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9203, 23.7118, 23.8436 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(131, 135, 128)` looks like.

```
.text, #text, p{  
    color:rgb(131, 135, 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(131, 135, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 135, 128) }
```

Border

The CSS property to change the border of an element to XYZ 21.9203, 23.7118, 23.8436 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(131, 135, 128) }
```


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

```
.border{ border-color:rgb(131, 135, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 135, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 135, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 135, 128);  
box-shadow:4px 4px 4px 4px rgb(131, 135,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9203, 23.7118, 23.8436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 135, 128) }
```

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

```
.background{ background-color: rgb(131,  
135, 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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