

Converting Colors

XYZ(23.8753, 21.2320, 28.5302)

Have a look what the booklet for
XYZ(23.8753, 21.2320, 28.5302)
contains.

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Color

**XYZ(23.8215, 21.1596,
28.4199)**

Conversions

Conversions Part 1

Format	Color
Hex	96758E
RGB	150, 117, 142
RGB Percent	59%, 46%, 56%
CMY	0.4118, 0.5412, 0.4431
CMYK	0.00, 0.22, 0.05, 0.41
HSL	315°, 14%, 52%
HSV	315°, 22%, 59%
XYZ	23.8215, 21.1596, 28.4199
YIQ	129.7170, 11.6430, 14.7710

Conversions

Conversions Part 2

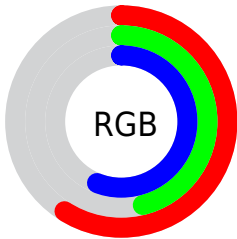
Format	Color
R_{YB}	150, 117, 142
Decimal	9860494
CIE _{Lab}	53.12, 17.30, -8.64
CIE _{LCh}	53, 19.333, 333.466
Yxy	21.1596, 0.3245, 0.2883
Android (android.graphics.Color)	4288050574 (0xFF96758E)
YUV	129.7170, 6.0555, 17.7882
Hunter-Lab	45.9996, 11.9394, -4.4314

Details

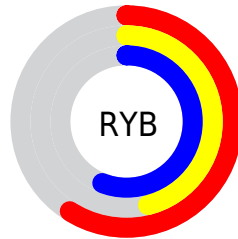
The XYZ color **23.8215, 21.1596, 28.4199** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.9450, 27.0760, 23.4728**, and the grayscale version is **21.0951, 22.1937, 24.1690**.

A 20% lighter version of the original color is **49.0536, 45.1988, 58.3634**, and **9.1445, 7.5596, 11.1024** is the 20% darker color. If you saturate the color by 10%, you get **21.9434, 17.8331, 26.4688**, and if you desaturate by 10%, it is **25.9898, 25.0517, 30.5122**.

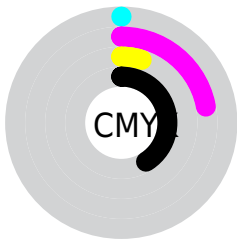
Distribution



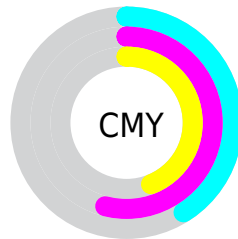
- Red (59%)
- Green (46%)
- Blue (56%)



- Red (59%)
- Yellow (46%)
- Blue (56%)



- Cyan (0%)
- Magenta (22%)
- Yellow (5%)
- Black (41%)



- Cyan (41%)
- Magenta (54%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8215, 21.1596, 28.4199 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 23.8215, 21.1596, 28.4199 by changing the saturation by 10% instead.

■ 23.8215, 21.1596,
28.4199

■ 23.8215, 21.1596,
28.4199

264.3741,
258.1255, 308.4428

■ 15.3253, 13.2407,
18.4006

■ 49.1956, 45.3530,
58.1853

■ 9.1358, 7.5945,
11.0656

■ 66.8041, 62.3963,
78.7685

■ 4.8877, 3.8366,
5.9962

■ 88.1808, 83.2499,
103.7101

■ 2.2156, 1.5826,
2.7740

113.6910,
108.2981, 133.4286

■ 0.7509, 0.3458,
0.9804

143.7001,
137.9254, 168.3426

■ 0.0000, 0.0000,
0.0000

178.5734,

172.5161, 208.8706

218.6763,
212.4547, 255.4311

■ 23.8215, 21.1596,
28.4199

■ 23.8215, 21.1596,
28.4199

■ 21.9434, 17.8331,
26.4688

■ 25.9898, 25.0517,
30.5122

■ 20.3403, 15.0426,
24.6526

■ 28.4589, 29.5314,
32.7490

■ 18.9983, 12.7604,
22.9666

■ 31.2413, 34.6231,
35.1349

■ 17.9016, 10.9549,
21.4050

■ 34.3481, 40.3489,
37.6741

■ 17.0325, 9.5909,
19.9617

■ 37.7897, 46.7297,
40.3705

■ 16.3710, 8.6286,
18.6293

■ 41.5764, 53.7857,
43.2279

■ 15.8935, 8.0208,
17.3997

■ 45.7178, 61.5359,
46.2498

■ 15.5943, 7.6907,
16.4729

■ 50.2231, 69.9989,
49.4397

■ 55.1012, 79.1924,
52.8010

Harmonies

Analogous

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



22.3486, 21.1596, 33.7156



23.8215, 21.1596, 28.4199



24.2780, 21.1596, 22.3680

Triad

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



23.8215, 21.1596, 28.4199



19.8758, 21.1596, 13.5618



17.0192, 21.1596, 29.7917

Complementary

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



23.8215, 21.1596, 28.4199



21.9450, 27.0760, 23.4728

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.



16.4513, 21.1596, 23.7237



23.8215, 21.1596, 28.4199



18.0290, 21.1596, 14.8944

Square

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



23.8215, 21.1596, 28.4199



21.9117, 21.1596, 14.3933



16.8083, 21.1596, 18.3845



18.4128, 21.1596, 34.5969

Rectangle

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



23.8215, 21.1596, 28.4199



23.9208, 21.1596, 18.8566



16.8083, 21.1596, 18.3845



16.7298, 21.1596, 27.7986

Sweetspot

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



23.8221, 21.1605, 28.4203



47.9156, 47.9201, 55.7326



20.2809, 19.2631, 31.5039



10.5703, 10.5319, 12.3071



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



23.8221, 21.1605, 28.4203



40.4818, 34.5719, 48.5700



22.6928, 20.7088, 22.4732



5.9758, 5.8854, 6.9788



12.9464, 6.3836, 13.7304



0.1700, 0.0828, 0.2289

Inverse Universe

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



23.8221, 21.1605, 28.4203



40.4818, 34.5719, 48.5700



23.0659, 27.5243, 29.3751



5.9758, 5.8854, 6.9788



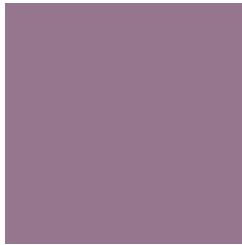
12.9464, 6.3836, 13.7304



0.1700, 0.0828, 0.2289

Previews

White Background



This preview shows how the XYZ color 23.8215, 21.1596, 28.4199 looks on a white background.

Color Contrast Check

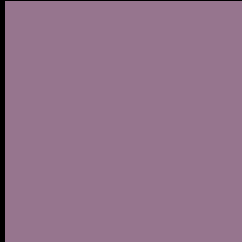
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8215, 21.1596, 28.4199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

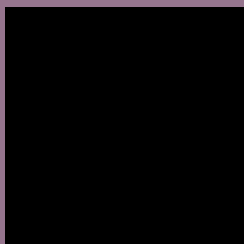
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.8215, 21.1596, 28.4199

Background



This preview shows how black text looks on a background with the XYZ color 23.8215, 21.1596, 28.4199.



This preview shows how white text looks on a background with the XYZ color 23.8215, 21.1596,

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

23.8215, 21.1596, 28.4199

Protanopia

20.9745, 21.2708, 31.0172

Deuteranopia

21.6882, 21.3249, 28.1723



Tritanopia

22.7720, 21.0745, 23.6365

Trichromacy



Original Color

23.8215, 21.1596, 28.4199

Protanomaly

21.9441, 21.2278, 30.1349

Deuteranomaly

22.2926, 21.0868, 28.0945

Tritanomaly

23.1759, 21.0677, 25.3992

Monochromacy



Original Color

23.8215, 21.1596, 28.4199

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.9532, 21.7068, 25.5870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8215, 21.1596, 28.4199 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(150, 117, 142)` looks like.

```
.text, #text, p{  
    color:rgb(150, 117, 142)  
}
```

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(150, 117, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 117, 142) }
```

Border

The CSS property to change the border of an element to XYZ 23.8215, 21.1596, 28.4199 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(150, 117, 142) }
```


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

```
.border{ border-color:rgb(150, 117, 142) }
```

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

Here you see how a box with a 4 pixel rgb(150, 117, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 117, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 117, 142);  
box-shadow:4px 4px 4px 4px rgb(150, 117,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8215, 21.1596, 28.4199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 117, 142) }
```

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

```
.background{ background-color: rgb(150,  
117, 142) }
```

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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