

Converting Colors

XYZ(23.0946, 20.1938, 28.7518)

Have a look what the booklet for
XYZ(23.0946, 20.1938, 28.7518)
contains.

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Color

**XYZ(23.1880, 20.3137,
28.6854)**

Conversions

Conversions Part 1

Format	Color
Hex	94728F
RGB	148, 114, 143
RGB Percent	58%, 45%, 56%
CMY	0.4196, 0.5529, 0.4392
CMYK	0.00, 0.23, 0.03, 0.42
HSL	309°, 14%, 51%
HSV	309°, 23%, 58%
XYZ	23.1880, 20.3137, 28.6854
YIQ	127.4720, 10.9550, 16.2270

Conversions

Conversions Part 2

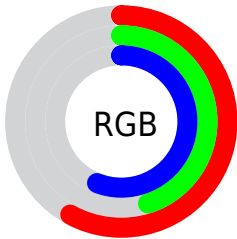
Format	Color
R_{YB}	148, 114, 143
Decimal	9728655
CIE _{Lab}	52.19, 18.50, -10.64
CIE _{LCh}	52, 21.345, 330.090
Yxy	20.3137, 0.3212, 0.2814
Android (android.graphics.Color)	4287918735 (0xFF94728F)
YUV	127.4720, 7.6553, 18.0031
Hunter-Lab	45.0707, 12.9610, -6.1858

Details

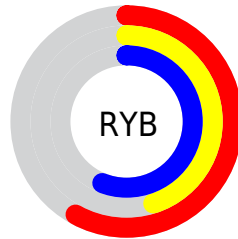
The XYZ color **23.1880, 20.3137, 28.6854** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.8599, 26.0898, 21.3903**, and the grayscale version is **20.3075, 21.3651, 23.2666**.

A 20% lighter version of the original color is **48.0714, 43.8602, 58.7556**, and **8.8538, 7.2281, 11.2844** is the 20% darker color. If you saturate the color by 10%, you get **21.4887, 17.1761, 27.3134**, and if you desaturate by 10%, it is **25.1619, 23.9946, 30.1651**.

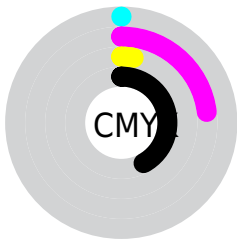
Distribution



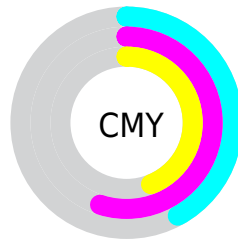
- Red (58%)
- Green (45%)
- Blue (56%)



- Red (58%)
- Yellow (45%)
- Blue (56%)



- Cyan (0%)
- Magenta (23%)
- Yellow (3%)
- Black (42%)



- Cyan (42%)
- Magenta (55%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1880, 20.3137, 28.6854 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 23.1880, 20.3137, 28.6854 by changing the saturation by 10% instead.

■ 23.1880, 20.3137,
28.6854

■ 23.1880, 20.3137,
28.6854

261.2065,
253.6083, 309.7420

■ 14.8538, 12.6233,
18.5994

■ 48.1662, 43.9425,
58.6131

■ 8.8025, 7.1697,
11.2073

■ 65.5410, 60.6497,
79.2919

■ 4.6687, 3.5684,
6.0905

■ 86.6600, 81.1312,
104.3387

■ 2.0869, 1.4352,
2.8305

■ 111.8887,
105.7715, 134.1721

■ 0.6821, 0.2425,
1.0088

141.5923,
134.9550, 169.2106

■ 0.0000, 0.0000,
0.0000

176.1362,

169.0660, 209.8727

215.8858,
208.4890, 256.5770

■ 23.1880, 20.3137,
28.6854

■ 23.1880, 20.3137,
28.6854

■ 21.4887, 17.1761,
27.3134

■ 25.1619, 23.9946,
30.1651

■ 20.0491, 14.5532,
26.0435

■ 27.4206, 28.2404,
31.7555

■ 18.8558, 12.4178,
24.8713

■ 29.9761, 33.0746,
33.4607

■ 17.8934, 10.7391,
23.7916

■ 32.8392, 38.5188,
35.2845

■ 17.1447, 9.4829,
22.7985

■ 36.0201, 44.5934,
37.2304

■ 16.5902, 8.6101,
21.8856

■ 39.5286, 51.3178,
39.3017

■ 16.2066, 8.0741,
21.0448

■ 43.3739, 58.7106,
41.5015

■ 15.9939, 7.8084,
20.4819

■ 47.5650, 66.7897,
43.8330

■ 52.1105, 75.5723,
46.2992

Harmonies

Analogous

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



21.4942, 20.3137, 34.2646



23.1880, 20.3137, 28.6854



23.8268, 20.3137, 22.0993

Triad

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



23.1880, 20.3137, 28.6854



19.3010, 20.3137, 12.1262



15.8919, 20.3137, 28.7243

Complementary

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



23.1880, 20.3137, 28.6854



20.8599, 26.0898, 21.3903

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.



15.3993, 20.3137, 22.1370



23.1880, 20.3137, 28.6854



17.2745, 20.3137, 13.2465

Square

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



23.1880, 20.3137, 28.6854



21.4819, 20.3137, 13.2331



15.8862, 20.3137, 16.6386



17.2851, 20.3137, 34.2898

Rectangle

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



23.1880, 20.3137, 28.6854



23.5335, 20.3137, 18.2329



15.8862, 20.3137, 16.6386



15.6204, 20.3137, 26.5195

Sweetspot

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



23.1886, 20.3146, 28.6858



46.6577, 46.5812, 54.8361



18.9074, 18.0628, 30.5073



10.6041, 10.5454, 12.4850



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.



23.1886, 20.3146, 28.6858



39.1805, 32.6343, 49.2381



22.0269, 19.8499, 22.5683



5.9990, 5.8947, 7.1010



13.6689, 6.6726, 17.5354



0.1753, 0.0849, 0.2570

Inverse Universe

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



23.1886, 20.3146, 28.6858



39.1805, 32.6343, 49.2381



21.9409, 26.5222, 27.0826



5.9990, 5.8947, 7.1010



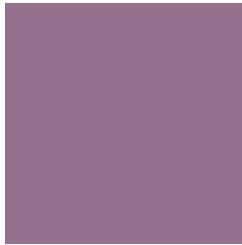
13.6689, 6.6726, 17.5354



0.1753, 0.0849, 0.2570

Previews

White Background



This preview shows how the XYZ color 23.1880, 20.3137, 28.6854 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 23.1880, 20.3137, 28.6854 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 23.1880, 20.3137, 28.6854

Background



This preview shows how black text looks on a background with the XYZ color 23.1880, 20.3137, 28.6854.



This preview shows how white text looks on a background with the XYZ color 23.1880, 20.3137,

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

23.1880, 20.3137, 28.6854

Protanopia

20.2402, 20.5072, 31.3253

Deuteranopia

20.7731, 20.2949, 28.4136



Tritanopia

21.9812, 20.3399, 22.5061

Trichromacy



Original Color

23.1880, 20.3137, 28.6854

Protanomaly

21.1889, 20.2854, 30.4025

Deuteranomaly

21.5143, 20.1441, 28.3455

Tritanomaly

22.4429, 20.3598, 24.5768

Monochromacy



Original Color

23.1880, 20.3137, 28.6854

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

21.1848, 20.7634, 25.0815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1880, 20.3137, 28.6854 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(148, 114, 143)` looks like.

```
.text, #text, p{  
    color:rgb(148, 114, 143)  
}
```

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(148, 114, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 114, 143) }
```

Border

The CSS property to change the border of an element to XYZ 23.1880, 20.3137, 28.6854 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(148, 114, 143) }
```


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

```
.border{ border-color:rgb(148, 114, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 114, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 114, 143); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 114, 143); box-shadow:4px 4px 4px 4px rgb(148, 114, 143) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1880, 20.3137, 28.6854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 114, 143) }
```

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

```
.background{ background-color: rgb(148,  
114, 143) }
```

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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