

Converting Colors

XYZ(19.8293, 18.3903, 23.4705)

Have a look what the booklet for
XYZ(19.8293, 18.3903, 23.4705)
contains.

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Color

**XYZ(19.8151, 18.3509,
23.6168)**

Conversions

Conversions Part 1

Format	Color
Hex	877082
RGB	135, 112, 130
RGB Percent	53%, 44%, 51%
CMY	0.4706, 0.5608, 0.4902
CMYK	0.00, 0.17, 0.04, 0.47
HSL	313°, 9%, 48%
HSV	313°, 17%, 53%
XYZ	19.8151, 18.3509, 23.6168
YIQ	120.9290, 7.9300, 10.4740

Conversions

Conversions Part 2

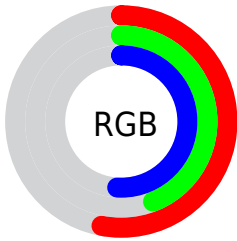
Format	Color
R_{YB}	135, 112, 130
Decimal	8876162
CIE _{Lab}	49.92, 12.34, -6.51
CIE _{LCh}	50, 13.955, 332.179
Yxy	18.3509, 0.3207, 0.2970
Android (android.graphics.Color)	4287066242 (0xFF877082)
YUV	120.9290, 4.4720, 12.3403
Hunter-Lab	42.8380, 7.6005, -2.7003

Details

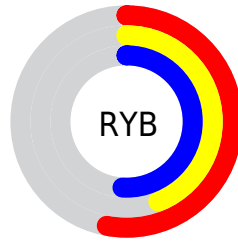
The XYZ color **19.8151, 18.3509, 23.6168** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.5576, 22.0576, 20.1100**, and the grayscale version is **18.1357, 19.0801, 20.7783**.

A 20% lighter version of the original color is **42.5617, 40.6612, 50.4049**, and **7.0649, 6.1922, 8.6074** is the 20% darker color. If you saturate the color by 10%, you get **18.2418, 15.5148, 22.1343**, and if you desaturate by 10%, it is **21.6185, 21.6376, 25.2042**.

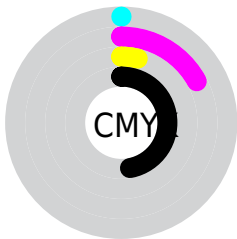
Distribution



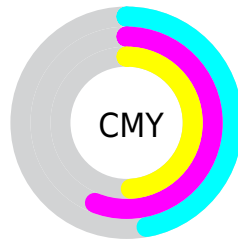
- Red (53%)
- Green (44%)
- Blue (51%)



- Red (53%)
- Yellow (44%)
- Blue (51%)



- Cyan (0%)
- Magenta (17%)
- Yellow (4%)
- Black (47%)



- Cyan (47%)
- Magenta (56%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8151, 18.3509, 23.6168 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 19.8151, 18.3509, 23.6168 by changing the saturation by 10% instead.

■ 19.8151, 18.3509,
23.6168

■ 19.8151, 18.3509,
23.6168

243.7651,
242.8415, 284.1013

■ 12.3682, 11.2022,
14.8400

■ 42.6133, 40.6343,
50.3401

■ 7.0689, 6.2030,
8.5618

■ 58.6953, 56.5379,
69.1237

■ 3.5520, 2.9689,
4.3636

■ 78.3863, 76.1285,
92.0801

■ 1.4519, 1.1155,
1.8269

■ 102.0518, 99.7906,
119.6277

■ 0.2928, 0.0000,
0.4456

130.0571,
127.9085, 152.1850

■ 0.0000, 0.0000,
0.0000

162.7674,

160.8668, 190.1707

200.5483,
199.0496, 234.0033

■ 19.8151, 18.3509,
23.6168

■ 19.8151, 18.3509,
23.6168

■ 18.2418, 15.5148,
22.1343

■ 21.6185, 21.6376,
25.2042

■ 16.8869, 13.1070,
20.7519

■ 23.6597, 25.3910,
26.8985

■ 15.7403, 11.1069,
19.4662

■ 25.9480, 29.6296,
28.7034

■ 14.7905, 9.4915,
18.2732

■ 28.4917, 34.3699,
30.6219

■ 14.0246, 8.2353,
17.1682

■ 31.2989, 39.6277,
32.6568

■ 13.4283, 7.3096,
16.1464

■ 34.3772, 45.4183,
34.8109

■ 12.9850, 6.6816,
15.2019

■ 37.7338, 51.7562,
37.0868

■ 12.6639, 6.2893,
14.3242

■ 41.3757, 58.6552,
39.4871

■ 12.5751, 6.1843,
14.0711

■ 45.3097, 66.1289,
42.0142

Harmonies

Analogous

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



18.8468, 18.3509, 26.8806



19.8151, 18.3509, 23.6168



20.1383, 18.3509, 19.7025

Triad

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



19.8151, 18.3509, 23.6168



17.3444, 18.3509, 13.4915



15.3559, 18.3509, 24.1628

Complementary

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



19.8151, 18.3509, 23.6168



18.5576, 22.0576, 20.1100

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.



14.9978, 18.3509, 20.2622



19.8151, 18.3509, 23.6168



16.1088, 18.3509, 14.3763

Square

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



19.8151, 18.3509, 23.6168



18.6691, 18.3509, 14.1528



15.2663, 18.3509, 16.7389



16.2698, 18.3509, 27.2231

Rectangle

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



19.8151, 18.3509, 23.6168



19.9317, 18.3509, 17.3293



15.2663, 18.3509, 16.7389



15.1687, 18.3509, 22.8903

Sweetspot

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



19.8156, 18.3517, 23.6172



39.3835, 39.9751, 45.7037



17.5020, 17.1192, 25.3039



9.0710, 9.1666, 10.5424



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.



19.8156, 18.3517, 23.6172



34.4785, 31.0416, 41.3664



19.0873, 18.0604, 19.7817



4.8157, 4.7460, 5.6418



11.6007, 5.7046, 13.0016



0.0429, 0.0208, 0.0591

Inverse Universe

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



19.8156, 18.3517, 23.6172



34.4785, 31.0416, 41.3664



19.2749, 22.3445, 23.8868



4.8157, 4.7460, 5.6418



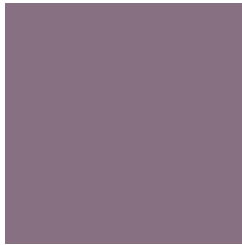
11.6007, 5.7046, 13.0016



0.0429, 0.0208, 0.0591

Previews

White Background



This preview shows how the XYZ color 19.8151, 18.3509, 23.6168 looks on a white background.

Color Contrast Check

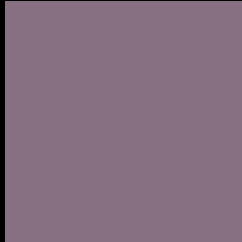
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 19.8151, 18.3509, 23.6168 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 19.8151, 18.3509, 23.6168

Background



This preview shows how black text looks on a background with the XYZ color 19.8151, 18.3509, 23.6168.



This preview shows how white text looks on a background with the XYZ color 19.8151, 18.3509,

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

19.8151, 18.3509, 23.6168

Protanopia

18.1176, 18.4600, 25.1625

Deuteranopia

18.8120, 18.5114, 23.3504



Tritanopia

19.2495, 18.2837, 20.9269

Trichromacy



Original Color

19.8151, 18.3509, 23.6168

Protanomaly

18.7912, 18.4693, 24.7648

Deuteranomaly

19.1464, 18.5136, 23.3332

Tritanomaly

19.4383, 18.3593, 21.9212

Monochromacy



Original Color

19.8151, 18.3509, 23.6168

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.7207, 18.8477, 21.7201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8151, 18.3509, 23.6168 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(135, 112, 130)` looks like.

```
.text, #text, p{  
    color:rgb(135, 112, 130)  
}
```

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(135, 112, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 112, 130) }
```

Border

The CSS property to change the border of an element to XYZ 19.8151, 18.3509, 23.6168 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(135, 112, 130) }
```


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

```
.border{ border-color:rgb(135, 112, 130) }
```

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

Here you see how a box with a 4 pixel rgb(135, 112, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 112, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 112, 130);  
box-shadow:4px 4px 4px 4px rgb(135, 112,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8151, 18.3509, 23.6168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 112, 130) }
```

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

```
.background{ background-color: rgb(135,  
112, 130) }
```

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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