

Converting Colors

XYZ(19.8411, 19.0456, 23.8260)

Have a look what the booklet for
XYZ(19.8411, 19.0456, 23.8260)
contains.

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Color

**XYZ(19.7904, 19.0080,
23.7449)**

Conversions

Conversions Part 1

Format	Color
Hex	847482
RGB	132, 116, 130
RGB Percent	52%, 45%, 51%
CMY	0.4823, 0.5451, 0.4902
CMYK	0.00, 0.12, 0.02, 0.48
HSL	308°, 6%, 49%
HSV	308°, 12%, 52%
XYZ	19.7904, 19.0080, 23.7449
YIQ	122.3800, 5.0420, 7.7460

Conversions

Conversions Part 2

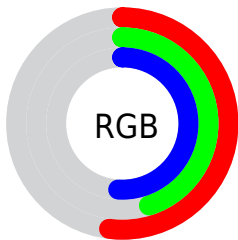
Format	Color
R_{YB}	132, 116, 130
Decimal	8680578
CIE Lab	50.70, 8.87, -5.39
CIE LCh	51, 10.377, 328.710
Yxy	19.0080, 0.3164, 0.3039
Android (android.graphics.Color)	4286870658 (0xFF847482)
YUV	122.3800, 3.7567, 8.4367
Hunter-Lab	43.5982, 4.7292, -1.7724

Details

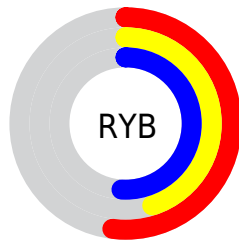
The XYZ color **19.7904, 19.0080, 23.7449** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.7245, 21.5242, 20.3083**, and the grayscale version is **18.6103, 19.5795, 21.3221**.

A 20% lighter version of the original color is **42.5575, 41.7384, 50.6131**, and **7.0320, 6.5222, 8.6729** is the 20% darker color. If you saturate the color by 10%, you get **18.2659, 16.1347, 22.6947**, and if you desaturate by 10%, it is **21.5340, 22.3161, 24.8774**.

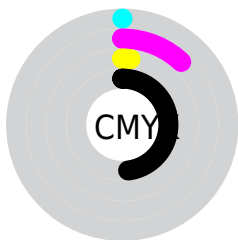
Distribution



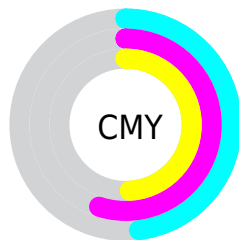
- Red (52%)
- Green (45%)
- Blue (51%)



- Red (52%)
- Yellow (45%)
- Blue (51%)



- Cyan (0%)
- Magenta (12%)
- Yellow (2%)
- Black (48%)



- Cyan (48%)
- Magenta (55%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7904, 19.0080, 23.7449 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 19.7904, 19.0080, 23.7449 by changing the saturation by 10% instead.

■ 19.7904, 19.0080,
23.7449

■ 19.7904, 19.0080,
23.7449

243.6334,
246.4929, 284.7731

■ 12.3502, 11.6761,
14.9340

■ 42.5721, 41.7476,
50.5522

■ 7.0565, 6.5235,
8.6270

■ 58.6443, 57.9241,
69.3857

■ 3.5441, 3.1659,
4.4052

■ 78.3245, 77.8175,
92.3972

■ 1.4476, 1.2190,
1.8502

■ 101.9781,
101.8123, 120.0052

■ 0.2898, 0.0771,
0.4608

129.9704,
130.2928, 152.6283

■ 0.0000, 0.0000,
0.0000

162.6669,

163.6435, 190.6849

200.4327,
202.2488, 234.5937

■ 19.7904, 19.0080,
23.7449

■ 19.7904, 19.0080,
23.7449

■ 18.2659, 16.1347,
22.6947

■ 21.5340, 22.3161,
24.8774

■ 16.9499, 13.6756,
21.7224

■ 23.5036, 26.0737,
26.0938

■ 15.8330, 11.6121,
20.8253

■ 25.7078, 30.2976,
27.3972

■ 14.9048, 9.9232,
19.9996

■ 28.1543, 35.0033,
28.7904

■ 14.1538, 8.5859,
19.2417

■ 30.8504, 40.2053,
30.2756

■ 13.5674, 7.5749,
18.5472

■ 33.8033, 45.9178,
31.8554

■ 13.1310, 6.8613,
17.9112

■ 37.0195, 52.1542,
33.5320

■ 12.8277, 6.4110,
17.3281

■ 40.5056, 58.9275,
35.3077

■ 12.6390, 6.1549,
16.8912

■ 44.2679, 66.2501,
37.1844

Harmonies

Analogous

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



19.0227, 19.0080, 26.0096



19.7904, 19.0080, 23.7449



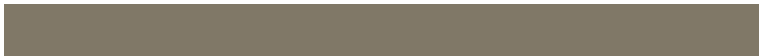
20.0938, 19.0080, 20.8229

Triad

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



19.7904, 19.0080, 23.7449



18.1106, 19.0080, 15.5853



16.4045, 19.0080, 23.5063

Complementary

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



19.7904, 19.0080, 23.7449



18.7245, 21.5242, 20.3083

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.



16.1804, 19.0080, 20.5706



19.7904, 19.0080, 23.7449



17.1430, 19.0080, 16.1612

Square

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



19.7904, 19.0080, 23.7449



19.1018, 19.0080, 16.2684



16.4458, 19.0080, 17.9208



17.0694, 19.0080, 25.8630

Rectangle

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



19.7904, 19.0080, 23.7449



19.9835, 19.0080, 18.9508



16.4458, 19.0080, 17.9208



16.2762, 19.0080, 22.5462

Sweetspot

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



19.7910, 19.0088, 23.7453



37.2955, 38.0998, 43.4163



17.8642, 17.9999, 24.3630



8.6335, 8.7760, 10.0764



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



19.7910, 19.0088, 23.7453



33.9562, 31.7739, 41.2161



19.2829, 18.8056, 21.0700



4.8335, 4.7531, 5.7355



12.2388, 5.9599, 16.3616



0.0441, 0.0213, 0.0659

Inverse Universe

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



19.7910, 19.0088, 23.7453



33.9562, 31.7739, 41.2161



19.2117, 21.7190, 22.8739



4.8335, 4.7531, 5.7355



12.2388, 5.9599, 16.3616



0.0441, 0.0213, 0.0659

Previews

White Background



This preview shows how the XYZ color 19.7904, 19.0080, 23.7449 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 19.7904, 19.0080, 23.7449 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 19.7904, 19.0080, 23.7449

Background



This preview shows how black text looks on a background with the XYZ color 19.7904, 19.0080, 23.7449.

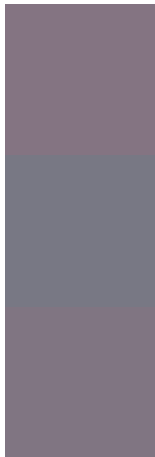


This preview shows how white text looks on a background with the XYZ color 19.7904, 19.0080,

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

19.7904, 19.0080, 23.7449

Protanopia

18.6271, 19.0920, 24.5332

Deuteranopia

19.2926, 18.9235, 23.7549



Tritanopia

19.4873, 19.0542, 22.3894

Trichromacy



Original Color

19.7904, 19.0080, 23.7449

Protanomaly

19.0057, 19.1174, 24.1611

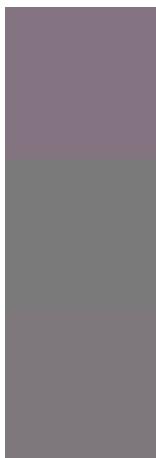
Deuteranomaly

19.4438, 19.0014, 23.7619

Tritanomaly

19.5521, 19.0802, 22.7310

Monochromacy



Original Color

19.7904, 19.0080, 23.7449

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.0223, 19.3492, 22.1342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7904, 19.0080, 23.7449 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(132, 116, 130)` looks like.

```
.text, #text, p{  
    color:rgb(132, 116, 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(132, 116, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 116, 130) }
```

Border

The CSS property to change the border of an element to XYZ 19.7904, 19.0080, 23.7449 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(132, 116, 130) }
```


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

```
.border{ border-color:rgb(132, 116, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 116, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 116, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 116, 130);  
box-shadow:4px 4px 4px 4px rgb(132, 116,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7904, 19.0080, 23.7449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 116, 130) }
```

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

```
.background{ background-color: rgb(132,  
116, 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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