

Converting Colors

XYZ(18.7223, 20.1754, 10.8901)

Have a look what the booklet for
XYZ(18.7223, 20.1754, 10.8901)
contains.

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Color

**XYZ(18.7223, 20.1754,
10.8901)**

Conversions

Conversions Part 1

Format	Color
Hex	877C52
RGB	135, 124, 82
RGB Percent	53%, 49%, 32%
CMY	0.4706, 0.5137, 0.6784
CMYK	0.00, 0.08, 0.39, 0.47
HSL	48°, 24%, 43%
HSV	48°, 39%, 53%
XYZ	18.7223, 20.1754, 10.8901
YIQ	122.5010, 20.0380, -10.7300

Conversions

Conversions Part 2

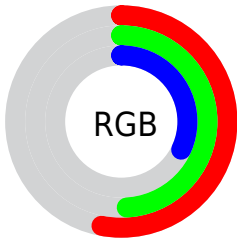
Format	Color
RYB	96, 135, 82
Decimal	8879186
CIELab	52.03, -2.33, 24.46
CIELCh	52, 24.576, 95.445
Yxy	20.1754, 0.3760, 0.4052
Android (android.graphics.Color)	4287069266 (0xFF877C52)
YUV	122.5010, -19.9670, 10.9616
Hunter-Lab	44.9170, -4.2025, 17.0671

Details

The XYZ color **18.7223, 20.1754, 10.8901** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.7671, 11.3714, 24.4963**, and the grayscale version is **18.7219, 19.6969, 21.4499**.

A 20% lighter version of the original color is **40.6765, 43.5354, 28.0891**, and **6.4907, 7.0443, 2.6867** is the 20% darker color. If you saturate the color by 10%, you get **17.9124, 19.2985, 8.3303**, and if you desaturate by 10%, it is **19.6442, 21.1146, 13.9865**.

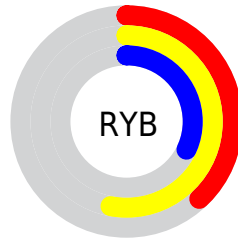
Distribution



Red (53%)

Green (49%)

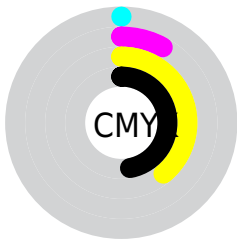
Blue (32%)



Red (38%)

Yellow (53%)

Blue (32%)

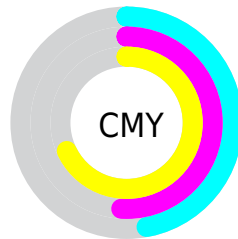


Cyan (0%)

Magenta (8%)

Yellow (39%)

Black (47%)



Cyan (47%)

Magenta (51%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7223, 20.1754, 10.8901 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 18.7223, 20.1754, 10.8901 by changing the saturation by 10% instead.

■ 18.7223, 20.1754,
10.8901

■ 18.7223, 20.1754,
10.8901

237.8790,
252.8631, 207.6223

■ 11.5726, 12.5226,
5.8797

■ 40.7848, 43.7111,
28.0903

■ 6.5235, 7.1006,
2.7045

■ 56.4284, 60.3627,
41.1172

■ 3.2096, 3.5251,
0.9457

■ 75.6339, 80.7828,
57.6534

■ 1.2655, 1.4116,
0.0000

■ 98.7668, 105.3557,
78.1174

■ 0.1572, 0.2253,
0.0000

■ 126.1924,
134.4657, 102.9278

■ 0.0000, 0.0000,
0.0000

158.2761,

168.4974, 132.5030

195.3832,
207.8350, 167.2617

■ 18.7223, 20.1754,
10.8901

■ 18.7223, 20.1754,
10.8901

■ 17.9124, 19.2985,
8.3303

■ 19.6442, 21.1146,
13.9865

■ 17.2071, 18.4784,
6.2744

■ 20.6823, 22.1156,
17.6470

■ 16.6002, 17.7134,
4.6881

■ 21.8422, 23.1815,
21.8989

■ 16.0841, 17.0004,
3.5324

■ 23.1286, 24.3144,
26.7671

■ 15.6502, 16.3356,
2.7618

■ 24.5463, 25.5163,
32.2754

■ 15.2755, 15.7098,
2.2559

■ 26.0994, 26.7889,
38.4461

■ 15.2483, 15.6642,
2.2198

■ 27.7922, 28.1341,
45.3004

■ 29.6285, 29.5535,
52.8587

■ 31.6121, 31.0488,
61.1404

Harmonies

Analogous

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



21.2502, 20.1754, 11.6503



18.7223, 20.1754, 10.8901



16.5140, 20.1754, 12.5299

Triad

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



18.7223, 20.1754, 10.8901



15.5106, 20.1754, 30.9868



23.9039, 20.1754, 28.2195

Complementary

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



18.7223, 20.1754, 10.8901



11.7671, 11.3714, 24.4963

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.



22.1100, 20.1754, 35.2450



18.7223, 20.1754, 10.8901



17.2416, 20.1754, 37.0712

Square

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



18.7223, 20.1754, 10.8901



14.7661, 20.1754, 23.3039



19.6372, 20.1754, 38.7784



24.3869, 20.1754, 20.6834

Rectangle

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



18.7223, 20.1754, 10.8901



15.4733, 20.1754, 15.0299



19.6372, 20.1754, 38.7784



23.4270, 20.1754, 30.7665

Sweetspot

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



18.7228, 20.1763, 10.8905



38.4665, 40.9267, 36.8104



15.0063, 11.9846, 11.9911



8.8553, 9.4297, 8.3293



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.



18.7228, 20.1763, 10.8905



32.2426, 34.7439, 15.4218



17.9304, 21.9290, 11.2706



4.9599, 5.2634, 4.9839



14.0705, 14.4636, 2.0502



0.0539, 0.0603, 0.0088

Inverse Universe

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



11.7671, 11.3714, 24.4963



17.9919, 16.7139, 43.3262



12.3222, 10.3264, 24.2654



4.5070, 4.6897, 5.8684



4.4242, 2.3961, 21.3660



0.0197, 0.0171, 0.0755

Previews

White Background



This preview shows how the XYZ color 18.7223, 20.1754, 10.8901 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 18.7223, 20.1754, 10.8901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

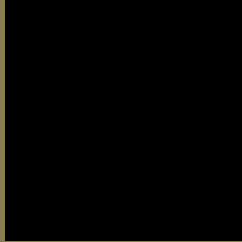
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.7223, 20.1754, 10.8901

Background



This preview shows how black text looks on a background with the XYZ color 18.7223, 20.1754, 10.8901.



This preview shows how white text looks on a background with the XYZ color 18.7223, 20.1754,

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

18.7223, 20.1754, 10.8901

Protanopia

18.7223, 20.1754, 10.8901

Deuteranopia

20.5526, 20.2077, 11.0009



Tritanopia

21.1899, 20.0908, 23.1832

Trichromacy



Original Color

18.7223, 20.1754, 10.8901

Protanomaly

18.7223, 20.1754, 10.8901

Deuteranomaly

19.9003, 20.2286, 11.0393

Tritanomaly

20.0669, 19.9839, 17.8386

Monochromacy



Original Color

18.7223, 20.1754, 10.8901

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.5421, 19.7607, 17.0243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7223, 20.1754, 10.8901 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, 124, 82)` looks like.

```
.text, #text, p{  
    color:rgb(135, 124, 82)  
}
```

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, 124, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 124, 82) }
```

Border

The CSS property to change the border of an element to XYZ 18.7223, 20.1754, 10.8901 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, 124, 82) }
```


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

```
.border{ border-color:rgb(135, 124, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 124, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 124, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 124, 82);  
box-shadow:4px 4px 4px 4px rgb(135, 124,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7223, 20.1754, 10.8901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 124, 82) }
```

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

```
.background{ background-color: rgb(135,  
124, 82) }
```

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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