

Converting Colors

XYZ(19.7994, 19.1354, 10.7749)

Have a look what the booklet for
XYZ(19.7994, 19.1354, 10.7749)
contains.

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Color

**XYZ(19.7247, 19.0890,
10.8286)**

Conversions

Conversions Part 1

Format	Color
Hex	937353
RGB	147, 115, 83
RGB Percent	58%, 45%, 33%
CMY	0.4235, 0.5490, 0.6745
CMYK	0.00, 0.22, 0.44, 0.42
HSL	30°, 28%, 45%
HSV	30°, 44%, 58%
XYZ	19.7247, 19.0890, 10.8286
YIQ	120.9200, 29.3440, -3.1680

Conversions

Conversions Part 2

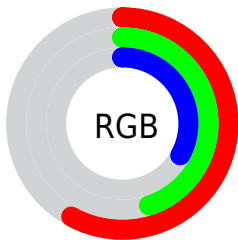
Format	Color
R_{YB}	147, 147, 83
Decimal	9663315
CIE _{Lab}	50.79, 8.13, 22.50
CIE _{LCh}	51, 23.920, 70.127
Yxy	19.0890, 0.3973, 0.3845
Android (android.graphics.Color)	4287853395 (0xFF937353)
YUV	120.9200, -18.6946, 22.8722
Hunter-Lab	43.6910, 4.1263, 15.8889

Details

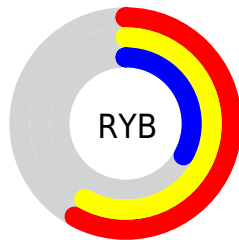
The XYZ color **19.7247, 19.0890, 10.8286** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.9644, 16.2066, 29.9433**, and the grayscale version is **18.2003, 19.1482, 20.8523**.

A 20% lighter version of the original color is **42.4095, 41.8874, 28.0402**, and **7.0604, 6.5808, 2.6484** is the 20% darker color. If you saturate the color by 10%, you get **18.4114, 17.2764, 7.8815**, and if you desaturate by 10%, it is **21.2261, 21.0852, 14.4326**.

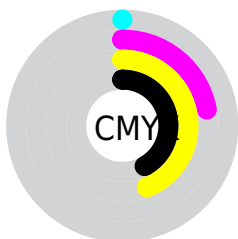
Distribution



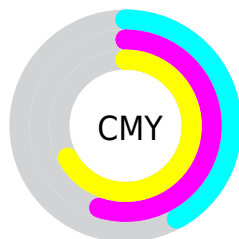
- Red (58%)
- Green (45%)
- Blue (33%)



- Red (58%)
- Yellow (58%)
- Blue (33%)



- Cyan (0%)
- Magenta (22%)
- Yellow (44%)
- Black (42%)



- Cyan (42%)
- Magenta (55%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7247, 19.0890, 10.8286 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 19.7247, 19.0890, 10.8286 by changing the saturation by 10% instead.

■ 19.7247, 19.0890,
10.8286

■ 19.7247, 19.0890,
10.8286

243.2829,
246.9397, 207.1829

■ 12.3022, 11.7346,
5.8390

■ 42.4626, 41.8844,
27.9746

■ 7.0235, 6.5632,
2.6802

■ 58.5087, 58.0943,
40.9680

■ 3.5233, 3.1905,
0.9334

■ 78.1601, 78.0247,
57.4665

■ 1.4361, 1.2320,
0.0000

■ 101.7820,
102.0601, 77.8885

■ 0.2817, 0.0876,
0.0000

■ 129.7399,
130.5849, 102.6526

■ 0.0000, 0.0000,
0.0000

162.3991,

163.9835, 132.1773

200.1250,
202.6403, 166.8812

■ 19.7247, 19.0890,
10.8286

■ 19.7247, 19.0890,
10.8286

■ 18.4114, 17.2764,
7.8815

■ 21.2261, 21.0852,
14.4326

■ 17.2756, 15.6386,
5.5492

■ 22.9228, 23.2681,
18.7297

■ 16.3077, 14.1698,
3.7864

■ 24.8230, 25.6440,
23.7548

■ 15.4961, 12.8627,
2.5412

■ 26.9343, 28.2183,
29.5402

■ 14.8274, 11.7092,
1.7515

■ 29.2637, 30.9959,
36.1160

■ 14.4486, 11.0350,
1.3684

■ 31.8178, 33.9816,
43.5109

■ 34.6031, 37.1800,
51.7521

■ 37.6255, 40.5956,
60.8655

■ 40.8911, 44.2327,
70.8758

Harmonies

Analogous

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



21.8258, 19.0890, 13.5050



19.7247, 19.0890, 10.8286



17.3599, 19.0890, 10.4640

Triad

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



19.7247, 19.0890, 10.8286



14.0458, 19.0890, 23.1462



21.2170, 19.0890, 32.3441

Complementary

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



19.7247, 19.0890, 10.8286



14.9644, 16.2066, 29.9433

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.



18.9504, 19.0890, 36.3196



19.7247, 19.0890, 10.8286



14.9006, 19.0890, 30.2992

Square

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



19.7247, 19.0890, 10.8286



14.2141, 19.0890, 16.6854



16.6492, 19.0890, 35.4996



22.7376, 19.0890, 25.5057

Rectangle

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



19.7247, 19.0890, 10.8286



15.9670, 19.0890, 11.4744



16.6492, 19.0890, 35.4996



20.5094, 19.0890, 34.1200

Sweetspot

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



19.7252, 19.0899, 10.8290



44.5514, 46.0443, 42.8024



18.2206, 13.6276, 17.8899



10.0040, 10.3055, 9.3246



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.



19.7252, 19.0899, 10.8290



33.0750, 31.0843, 14.3361



24.0278, 27.6951, 12.2632



6.0260, 6.2658, 6.1323



12.5510, 9.6163, 1.1946



0.1830, 0.1765, 0.0244

Inverse Universe

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



14.9644, 16.2066, 29.9433



23.4270, 25.2412, 53.0719



11.9272, 10.1324, 28.9309



5.7247, 6.0833, 7.3422



6.6843, 6.0633, 24.7491



0.1112, 0.1331, 0.3127

Previews

White Background



This preview shows how the XYZ color 19.7247, 19.0890, 10.8286 looks on a white background.

Color Contrast Check

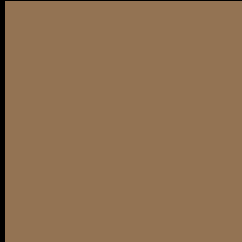
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7247, 19.0890, 10.8286 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 19.7247, 19.0890, 10.8286

Background



This preview shows how black text looks on a background with the XYZ color 19.7247, 19.0890, 10.8286.



This preview shows how white text looks on a background with the XYZ color 19.7247, 19.0890,

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

19.7247, 19.0890, 10.8286

Protanopia

17.8772, 19.1719, 11.5624

Deuteranopia

19.4838, 19.1351, 10.8501



Tritanopia

21.4834, 18.9678, 19.9816

Trichromacy



Original Color

19.7247, 19.0890, 10.8286

Protanomaly

18.5530, 19.1679, 11.3163

Deuteranomaly

19.6608, 19.2263, 10.8584

Tritanomaly

20.7901, 19.0185, 16.2109

Monochromacy



Original Color

19.7247, 19.0890, 10.8286

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.4566, 19.0010, 16.6047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7247, 19.0890, 10.8286 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(147, 115, 83)` looks like.

```
.text, #text, p{  
    color:rgb(147, 115, 83)  
}
```

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(147, 115, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 115, 83) }
```

Border

The CSS property to change the border of an element to XYZ 19.7247, 19.0890, 10.8286 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(147, 115, 83) }
```


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

```
.border{ border-color:rgb(147, 115, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 115, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 115, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 115, 83);  
box-shadow:4px 4px 4px 4px rgb(147, 115,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7247, 19.0890, 10.8286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 115, 83) }
```

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

```
.background{ background-color: rgb(147,  
115, 83) }
```

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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