

Converting Colors

XYZ(19.4462, 20.7786, 13.8372)

Have a look what the booklet for
XYZ(19.4462, 20.7786, 13.8372)
contains.

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Color

**XYZ(19.5181, 20.8988,
13.8316)**

Conversions

Conversions Part 1

Format	Color
Hex	877E5F
RGB	135, 126, 95
RGB Percent	53%, 49%, 37%
CMY	0.4706, 0.5059, 0.6274
CMYK	0.00, 0.07, 0.30, 0.47
HSL	47°, 17%, 45%
HSV	47°, 30%, 53%
XYZ	19.5181, 20.8988, 13.8316
YIQ	125.1570, 15.3150, -7.7330

Conversions

Conversions Part 2

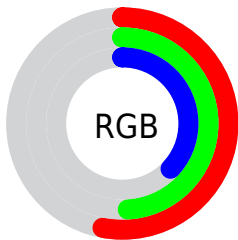
Format	Color
R_{YB}	107, 135, 95
Decimal	8879711
CIE Lab	52.84, -1.73, 18.15
CIE LCh	53, 18.231, 95.448
Yxy	20.8988, 0.3598, 0.3852
Android (android.graphics.Color)	4287069791 (0xFF877E5F)
YUV	125.1570, -14.8674, 8.6323
Hunter-Lab	45.7152, -3.7911, 14.0619

Details

The XYZ color **19.5181, 20.8988, 13.8316** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.0428, 14.0825, 24.8999**, and the grayscale version is **19.5912, 20.6115, 22.4459**.

A 20% lighter version of the original color is **42.2947, 45.1343, 33.6768**, and **6.9337, 7.4524, 3.8693** is the 20% darker color. If you saturate the color by 10%, you get **18.5747, 19.9102, 10.7475**, and if you desaturate by 10%, it is **20.5808, 21.9554, 17.4807**.

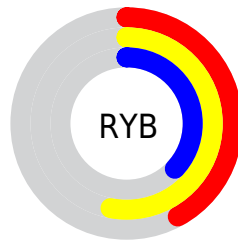
Distribution



Red (53%)

Green (49%)

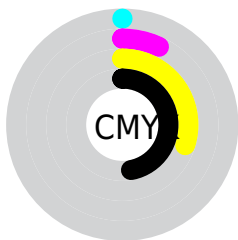
Blue (37%)



Red (42%)

Yellow (53%)

Blue (37%)

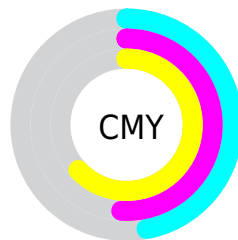


Cyan (0%)

Magenta (7%)

Yellow (30%)

Black (47%)



Cyan (47%)

Magenta (51%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5181, 20.8988, 13.8316 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 19.5181, 20.8988, 13.8316 by changing the saturation by 10% instead.

■ 19.5181, 20.8988,
13.8316

■ 19.5181, 20.8988,
13.8316

242.1778,
256.7402, 227.5726

■ 12.1515, 13.0500,
7.8662

■ 42.1179, 44.9190,
33.5027

■ 6.9198, 7.4630,
3.9229

■ 58.0818, 61.8593,
48.0456

■ 3.4579, 3.7533,
1.5832

■ 77.6421, 82.5989,
66.2847

■ 1.4003, 1.5366,
0.2788

■ 101.1642,
107.5222, 88.6385

■ 0.2564, 0.3142,
0.0000

129.0135,
137.0136, 115.5257

■ 0.0000, 0.0000,
0.0000

161.5553,

171.4574, 147.3648

199.1549,
211.2382, 184.5742

■ 19.5181, 20.8988,
13.8316

■ 19.5181, 20.8988,
13.8316

■ 18.5747, 19.9102,
10.7475

■ 20.5808, 21.9554,
17.4807

■ 17.7432, 18.9845,
8.1982

■ 21.7663, 23.0794,
21.7203

■ 17.0183, 18.1198,
6.1525

■ 23.0801, 24.2739,
26.5760

■ 16.3932, 17.3134,
4.5757

■ 24.5266, 25.5408,
32.0715

■ 15.8603, 16.5622,
3.4284

■ 26.1104, 26.8821,
38.2291

■ 15.4108, 15.8623,
2.6650

■ 27.8354, 28.2996,
45.0703

■ 15.0204, 15.2038,
2.1573

■ 29.7057, 29.7951,
52.6153

■ 15.0062, 15.1798,
2.1391

■ 31.7250, 31.3701,
60.8837

■ 33.8971, 33.0262,
69.8943

Harmonies

Analogous

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



21.4242, 20.8988, 14.4880



19.5181, 20.8988, 13.8316



17.8150, 20.8988, 15.2374

Triad

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



19.5181, 20.8988, 13.8316



17.0278, 20.8988, 29.3944



23.3835, 20.8988, 27.3963

Complementary

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



19.5181, 20.8988, 13.8316



14.0428, 14.0825, 24.8999

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.



22.0637, 20.8988, 32.4109



19.5181, 20.8988, 13.8316



18.3808, 20.8988, 33.6875

Square

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



19.5181, 20.8988, 13.8316



16.4373, 20.8988, 23.7653



20.2133, 20.8988, 34.8711



23.7359, 20.8988, 21.7742

Rectangle

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



19.5181, 20.8988, 13.8316



16.9982, 20.8988, 17.3112



20.2133, 20.8988, 34.8711



23.0344, 20.8988, 29.2354

Sweetspot

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



19.5186, 20.8997, 13.8320



39.0749, 41.4194, 39.2455



16.5998, 14.3418, 15.0792



8.9825, 9.5302, 8.8460



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.



19.5186, 20.8997, 13.8320



33.7198, 36.1437, 20.7065



19.0902, 22.4643, 14.1566



4.9533, 5.2501, 4.9817



13.8477, 14.0179, 1.9759



0.0534, 0.0594, 0.0086

Inverse Universe

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



14.0428, 14.0825, 24.8999



22.1620, 21.7588, 44.0802



14.3699, 12.9777, 24.6694



4.5132, 4.7020, 5.8705



4.4782, 2.5042, 21.3840



0.0202, 0.0180, 0.0756

Previews

White Background



This preview shows how the XYZ color 19.5181, 20.8988, 13.8316 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 19.5181, 20.8988, 13.8316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

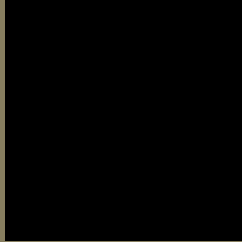
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.5181, 20.8988, 13.8316

Background



This preview shows how black text looks on a background with the XYZ color 19.5181, 20.8988, 13.8316.



This preview shows how white text looks on a background with the XYZ color 19.5181, 20.8988,

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

19.5181, 20.8988, 13.8316

Protanopia

19.5181, 20.8988, 13.8316

Deuteranopia

21.1614, 20.8152, 13.9687



Tritanopia

21.5816, 20.8024, 24.3505

Trichromacy



Original Color

19.5181, 20.8988, 13.8316

Protanomaly

19.5181, 20.8988, 13.8316

Deuteranomaly

20.5220, 20.8501, 14.0092

Tritanomaly

20.8342, 20.8772, 20.0712

Monochromacy



Original Color

19.5181, 20.8988, 13.8316

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.4241, 20.5493, 18.8622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5181, 20.8988, 13.8316 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, 126, 95)` looks like.

```
.text, #text, p{  
    color:rgb(135, 126, 95)  
}
```

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, 126, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 126, 95) }
```

Border

The CSS property to change the border of an element to XYZ 19.5181, 20.8988, 13.8316 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, 126, 95) }
```


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

```
.border{ border-color:rgb(135, 126, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 126, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 126, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 126, 95);  
box-shadow:4px 4px 4px 4px rgb(135, 126,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5181, 20.8988, 13.8316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 126, 95) }
```

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

```
.background{ background-color: rgb(135,  
126, 95) }
```

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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