

Converting Colors

XYZ(18.5013, 20.6694, 10.8314)

Have a look what the booklet for
XYZ(18.5013, 20.6694, 10.8314)
contains.

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Color

**XYZ(18.4346, 20.5981,
10.7888)**

Conversions

Conversions Part 1

Format	Color
Hex	837F51
RGB	131, 127, 81
RGB Percent	51%, 50%, 32%
CMY	0.4863, 0.5019, 0.6823
CMYK	0.00, 0.03, 0.38, 0.49
HSL	55°, 24%, 42%
HSV	55°, 38%, 51%
XYZ	18.4346, 20.5981, 10.7888
YIQ	122.9520, 17.1500, -13.4580

Conversions

Conversions Part 2

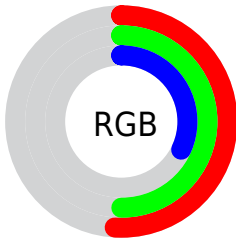
Format	Color
RYB	85, 131, 81
Decimal	8617809
CIELab	52.51, -5.86, 25.57
CIElCh	53, 26.231, 102.917
Yxy	20.5981, 0.3700, 0.4134
Android (android.graphics.Color)	4286807889 (0xFF837F51)
YUV	122.9520, -20.6823, 7.0581
Hunter-Lab	45.3851, -6.9206, 17.6754

Details

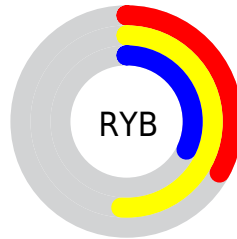
The XYZ color **18.4346, 20.5981, 10.7888** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.7385, 9.8847, 22.8146**, and the grayscale version is **18.8734, 19.8563, 21.6235**.

A 20% lighter version of the original color is **40.4256, 44.5955, 27.9499**, and **6.3360, 7.2756, 2.6605** is the 20% darker color. If you saturate the color by 10%, you get **17.8557, 20.1520, 8.4017**, and if you desaturate by 10%, it is **19.1107, 21.0868, 13.6764**.

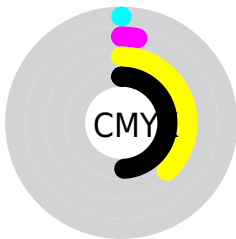
Distribution



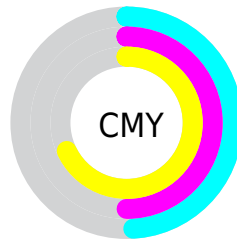
- Red (51%)
- Green (50%)
- Blue (32%)



- Red (33%)
- Yellow (51%)
- Blue (32%)



- Cyan (0%)
- Magenta (3%)
- Yellow (38%)
- Black (49%)



- Cyan (49%)
- Magenta (50%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4346, 20.5981, 10.7888 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 18.4346, 20.5981, 10.7888 by changing the saturation by 10% instead.

■ 18.4346, 20.5981,
10.7888

■ 18.4346, 20.5981,
10.7888

236.3079,
255.1348, 206.8980

■ 11.3640, 12.8305,
5.8126

■ 40.3008, 44.4177,
27.8996

■ 6.3813, 7.3120,
2.6645

■ 55.8271, 61.2385,
40.8713

■ 3.1212, 3.6580,
0.9255

■ 74.9028, 81.8459,
57.3453

■ 1.2182, 1.4841,
0.0000

■ 97.8931, 106.6242,
77.7401

■ 0.1206, 0.2775,
0.0000

■ 125.1634,
135.9579, 102.4742

■ 0.0000, 0.0000,
0.0000

157.0790,

170.2313, 131.9662

194.0054,
209.8288, 166.6346

■ 18.4346, 20.5981,
10.7888

■ 18.4346, 20.5981,
10.7888

■ 17.8557, 20.1520,
8.4017

■ 19.1107, 21.0868,
13.6764

■ 17.3670, 19.7435,
6.4851

■ 19.8876, 21.6173,
17.0899

■ 16.9631, 19.3712,
5.0075

■ 20.7704, 22.1924,
21.0542

■ 16.6370, 19.0322,
3.9334

■ 21.7635, 22.8140,
25.5924

■ 16.3810, 18.7235,
3.2215

■ 22.8711, 23.4836,
30.7263

■ 16.1768, 18.4377,
2.7752

■ 24.0970, 24.2028,
36.4766

■ 16.1404, 18.3859,
2.6982

■ 25.4451, 24.9731,
42.8629

■ 26.9189, 25.7961,
49.9040

■ 28.5217, 26.6730,
57.6178

Harmonies

Analogous

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



21.1509, 20.5981, 10.9623



18.4346, 20.5981, 10.7888



16.2357, 20.5981, 13.1683

Triad

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



18.4346, 20.5981, 10.7888



16.0001, 20.5981, 34.2187



25.0005, 20.5981, 27.1098

Complementary

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



18.4346, 20.5981, 10.7888



10.7385, 9.8847, 22.8146

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.



23.3498, 20.5981, 35.2468



18.4346, 20.5981, 10.7888



18.0849, 20.5981, 39.9573

Square

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



18.4346, 20.5981, 10.7888



14.9201, 20.5981, 25.9365



20.7675, 20.5981, 40.3719



25.1163, 20.5981, 19.2508

Rectangle

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



18.4346, 20.5981, 10.7888



15.2903, 20.5981, 16.2896



20.7675, 20.5981, 40.3719



24.6002, 20.5981, 29.9418

Sweetspot

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



18.4351, 20.5990, 10.7892



36.6868, 39.4155, 35.4044



13.9489, 11.3689, 10.0886



8.4990, 9.1493, 8.0519



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.



18.4351, 20.5990, 10.7892



32.0825, 36.1732, 15.4759



16.0527, 20.1523, 10.8286



5.0088, 5.3611, 5.0002



15.8887, 18.1001, 2.6562



0.0574, 0.0674, 0.0100

Inverse Universe

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



10.7385, 9.8847, 22.8146



16.1944, 14.0601, 40.3135



12.4999, 10.3388, 22.8094



4.4622, 4.6000, 5.8535



4.1455, 1.8387, 21.2731



0.0162, 0.0100, 0.0743

Previews

White Background



This preview shows how the XYZ color 18.4346, 20.5981, 10.7888 looks on a white background.

Color Contrast Check

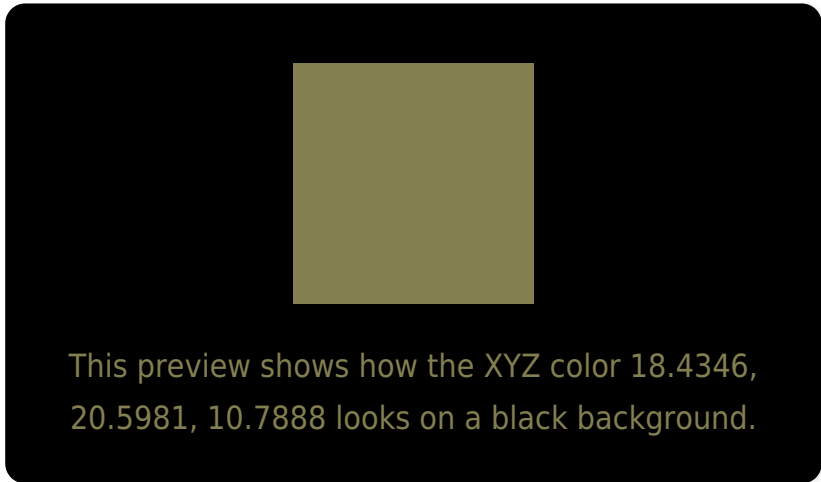
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 18.4346, 20.5981, 10.7888

Background



This preview shows how black text looks on a background with the XYZ color 18.4346, 20.5981, 10.7888.



This preview shows how white text looks on a background with the XYZ color 18.4346, 20.5981,

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

18.4346, 20.5981, 10.7888

Protanopia

18.9349, 20.4807, 10.5446

Deuteranopia

20.8555, 20.5415, 11.0493



Tritanopia

21.1832, 20.6048, 23.9797

Trichromacy



Original Color

18.4346, 20.5981, 10.7888

Protanomaly

18.7403, 20.5692, 10.5720

Deuteranomaly

19.9336, 20.6148, 10.9111

Tritanomaly

19.9993, 20.4867, 18.2295

Monochromacy



Original Color

18.4346, 20.5981, 10.7888

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.5186, 19.9336, 17.0589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4346, 20.5981, 10.7888 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(131, 127, 81)` looks like.

```
.text, #text, p{  
    color:rgb(131, 127, 81)  
}
```

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(131, 127, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 127, 81) }
```

Border

The CSS property to change the border of an element to XYZ 18.4346, 20.5981, 10.7888 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(131, 127, 81) }
```


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

```
.border{ border-color:rgb(131, 127, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 127, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 127, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 127, 81);  
box-shadow:4px 4px 4px 4px rgb(131, 127,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4346, 20.5981, 10.7888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 127, 81) }
```

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

```
.background{ background-color: rgb(131,  
127, 81) }
```

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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