

Converting Colors

XYZ(18.0812, 19.9946, 12.5792)

Have a look what the booklet for
XYZ(18.0812, 19.9946, 12.5792)
contains.

XYZ(18.0812, 19.9946, 12.5792)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.0812, 19.9946,
12.5792)**

Conversions

Conversions Part 1

Format	Color
Hex	807D5A
RGB	128, 125, 90
RGB Percent	50%, 49%, 35%
CMY	0.4980, 0.5098, 0.6471
CMYK	0.00, 0.02, 0.30, 0.50
HSL	55°, 17%, 43%
HSV	55°, 30%, 50%
XYZ	18.0812, 19.9946, 12.5792
YIQ	121.9070, 13.0230, -10.2490

Conversions

Conversions Part 2

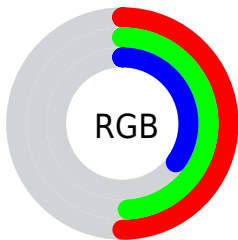
Format	Color
RYB	93, 128, 90
Decimal	8420698
CIELab	51.83, -4.81, 19.54
CIELCh	52, 20.126, 103.834
Yxy	19.9946, 0.3569, 0.3947
Android (android.graphics.Color)	4286610778 (0xFF807D5A)
YUV	121.9070, -15.7302, 5.3436
Hunter-Lab	44.7153, -6.0731, 14.6214

Details

The XYZ color **18.0812, 19.9946, 12.5792** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.0271, 11.5607, 22.0198**, and the grayscale version is **18.5155, 19.4797, 21.2134**.

A 20% lighter version of the original color is **39.7101, 43.5580, 31.1255**, and **6.1809, 6.9704, 3.4025** is the 20% darker color. If you saturate the color by 10%, you get **17.4557, 19.5416, 9.9104**, and if you desaturate by 10%, it is **18.8029, 20.4895, 15.7436**.

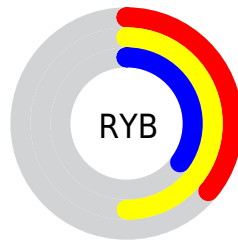
Distribution



Red (50%)

Green (49%)

Blue (35%)



Red (36%)

Yellow (50%)

Blue (35%)

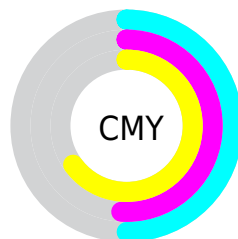


Cyan (0%)

Magenta (2%)

Yellow (30%)

Black (50%)



Cyan (50%)

Magenta (51%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0812, 19.9946, 12.5792 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 18.0812, 19.9946, 12.5792 by changing the saturation by 10% instead.

■ 18.0812, 19.9946,
12.5792

■ 18.0812, 19.9946,
12.5792

234.3651,
251.8859, 219.3152

■ 11.1083, 12.3911,
7.0121

■ 39.7046, 43.4081,
31.2257

■ 6.2076, 7.0106,
3.3911

■ 55.0859, 59.9870,
45.1423

■ 3.0136, 3.4688,
1.2976

■ 74.0007, 80.3264,
62.6790

■ 1.1609, 1.3811,
0.0599

■ 96.8144, 104.8108,
84.2545

■ 0.0752, 0.2027,
0.0000

■ 123.8924,
133.8245, 110.2874

■ 0.0000, 0.0000,
0.0000

155.5999,

167.7520, 141.1961

192.3023,
206.9777, 177.3992

■ 18.0812, 19.9946,
12.5792

■ 18.0812, 19.9946,
12.5792

■ 17.4557, 19.5416,
9.9104

■ 18.8029, 20.4895,
15.7436

■ 16.9200, 19.1259,
7.7104

■ 19.6237, 21.0255,
19.4257

■ 16.4694, 18.7464,
5.9523

■ 20.5483, 21.6051,
23.6480

■ 16.0982, 18.4006,
4.6054

■ 21.5806, 22.2298,
28.4313

■ 15.7997, 18.0860,
3.6355

■ 22.7245, 22.9013,
33.7951

■ 15.5665, 17.7995,
3.0028

■ 23.9834, 23.6209,
39.7583

■ 15.3753, 17.5319,
2.5851

■ 25.3607, 24.3900,
46.3386

■ 15.3693, 17.5236,
2.5723

■ 26.8597, 25.2099,
53.5531

■ 28.4835, 26.0818,
61.4183

Harmonies

Analogous

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



20.1180, 19.9946, 12.6615



18.0812, 19.9946, 12.5792



16.4137, 19.9946, 14.6279

Triad

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



18.0812, 19.9946, 12.5792



16.3116, 19.9946, 30.5197



23.0284, 19.9946, 25.0523

Complementary

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



18.0812, 19.9946, 12.5792



12.0271, 11.5607, 22.0198

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.



21.8540, 19.9946, 30.9265



18.0812, 19.9946, 12.5792



17.9324, 19.9946, 34.4486

Square

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



18.0812, 19.9946, 12.5792



15.4426, 19.9946, 24.5704



19.9582, 19.9946, 34.6095



23.0754, 19.9946, 19.1922

Rectangle

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



18.0812, 19.9946, 12.5792



15.6950, 19.9946, 17.1810



19.9582, 19.9946, 34.6095



22.7488, 19.9946, 27.1127

Sweetspot

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



18.0817, 19.9955, 12.5796



34.6241, 37.0655, 34.5364



14.5417, 12.6950, 12.0789



8.0614, 8.6493, 7.8821



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



18.0817, 19.9955, 12.5796



31.0317, 34.6272, 18.7057



16.2682, 19.6324, 12.6051



4.6373, 4.9632, 4.6337



15.2401, 17.3766, 2.5508



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.0271, 11.5607, 22.0198



18.4746, 17.1354, 38.2900



13.4768, 11.9251, 22.0137



4.1340, 4.2621, 5.4180



3.9726, 1.7637, 20.3810



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.0812, 19.9946, 12.5792 looks on a white background.

Color Contrast Check

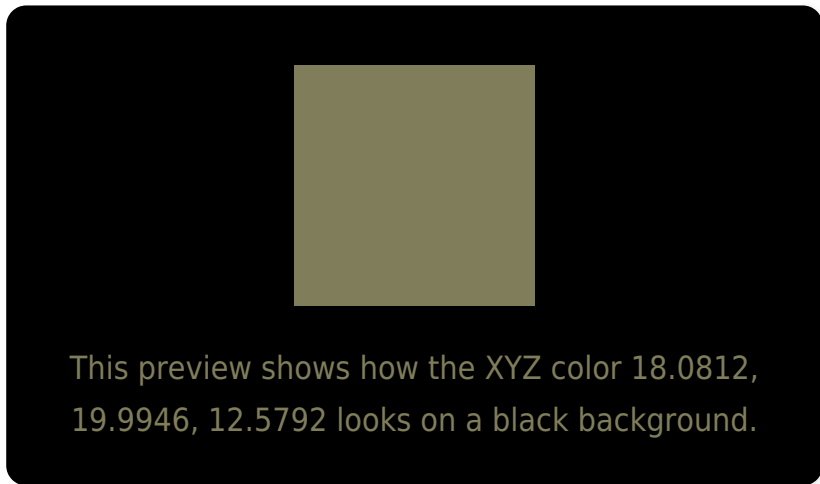
Large Text (above 18pt) WCAG AA ✓ Pass

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

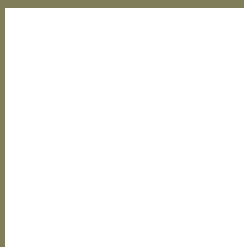
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.0812, 19.9946, 12.5792

Background



This preview shows how black text looks on a background with the XYZ color 18.0812, 19.9946, 12.5792.



This preview shows how white text looks on a background with the XYZ color 18.0812, 19.9946,

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

18.0812, 19.9946, 12.5792

Protanopia

18.5590, 19.8737, 12.3090

Deuteranopia

20.2208, 19.8232, 12.6580



Tritanopia

20.3518, 20.0045, 23.5575

Trichromacy



Original Color

18.0812, 19.9946, 12.5792

Protanomaly

18.3709, 19.9619, 12.3360

Deuteranomaly

19.3732, 19.9190, 12.7212

Tritanomaly

19.4141, 19.9822, 19.0534

Monochromacy



Original Color

18.0812, 19.9946, 12.5792

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.2096, 19.5768, 17.5708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0812, 19.9946, 12.5792 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(128, 125, 90)` looks like.

```
.text, #text, p{  
  color:rgb(128, 125, 90)  
}
```

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(128, 125, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 125, 90) }
```

Border

The CSS property to change the border of an element to XYZ 18.0812, 19.9946, 12.5792 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(128, 125, 90) }
```


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

```
.border{ border-color:rgb(128, 125, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 125, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 125, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 125, 90);  
box-shadow:4px 4px 4px 4px rgb(128, 125,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0812, 19.9946, 12.5792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 125, 90) }
```

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

```
.background{ background-color: rgb(128,  
125, 90) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor