

Converting Colors

XYZ(19.6851, 22.6044, 18.3879)

Have a look what the booklet for
XYZ(19.6851, 22.6044, 18.3879)
contains.

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Color

**XYZ(19.7016, 22.6866,
18.3795)**

Conversions

Conversions Part 1

Format	Color
Hex	7B876F
RGB	123, 135, 111
RGB Percent	48%, 53%, 44%
CMY	0.5176, 0.4706, 0.5647
CMYK	0.09, 0.00, 0.18, 0.47
HSL	90°, 10%, 48%
HSV	90°, 18%, 53%
XYZ	19.7016, 22.6866, 18.3795
YIQ	128.6760, 0.5520, -10.0080

Conversions

Conversions Part 2

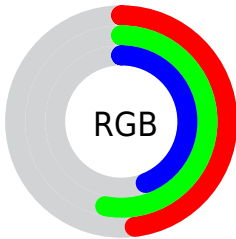
Format	Color
RYB	111, 135, 123
Decimal	8095599
CIELab	54.75, -9.04, 11.45
CIELCh	55, 14.586, 128.297
Yxy	22.6866, 0.3242, 0.3733
Android (android.graphics.Color)	4286285679 (0xFF7B876F)
YUV	128.6760, -8.7143, -4.9779
Hunter-Lab	47.6305, -9.5195, 10.4627

Details

The XYZ color **19.7016, 22.6866, 18.3795** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.2269, 17.3297, 25.3072**, and the grayscale version is **20.7828, 21.8651, 23.8111**.

A 20% lighter version of the original color is **42.4986, 47.8409, 41.6446**, and **6.9697, 8.3117, 5.9396** is the 20% darker color. If you saturate the color by 10%, you get **18.0812, 21.9314, 14.7123**, and if you desaturate by 10%, it is **21.5022, 23.5230, 22.6426**.

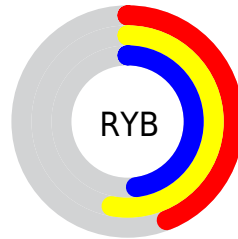
Distribution



Red (48%)

Green (53%)

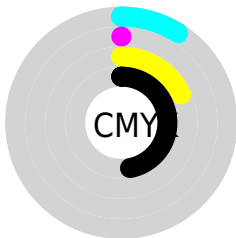
Blue (44%)



Red (44%)

Yellow (53%)

Blue (48%)

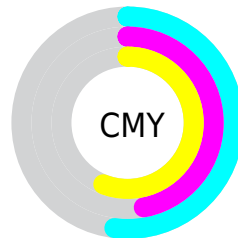


Cyan (9%)

Magenta (0%)

Yellow (18%)

Black (47%)



Cyan (52%)

Magenta (47%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7016, 22.6866, 18.3795 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 19.7016, 22.6866, 18.3795 by changing the saturation by 10% instead.

■ 19.7016, 22.6866,
18.3795

■ 19.7016, 22.6866,
18.3795

243.1596,
266.1112, 255.3090

■ 12.2853, 14.3623,
11.0505

■ 42.4241, 47.8782,
41.5056

■ 7.0119, 8.3731,
5.9862

■ 58.4610, 65.5143,
58.1398

■ 3.5159, 4.3346,
2.7681

■ 78.1022, 87.0230,
78.7128

■ 1.4321, 1.8624,
0.9775

■ 101.7130,
112.7889, 103.6431

■ 0.2789, 0.5256,
0.0000

129.6588,
143.1963, 133.3494

■ 0.0000, 0.0000,
0.0000

162.3049,

178.6295, 168.2501

200.0167,
219.4730, 208.7638

■ 19.7016, 22.6866,
18.3795

■ 19.7016, 22.6866,
18.3795

■ 18.0812, 21.9314,
14.7123

■ 21.5022, 23.5230,
22.6426

■ 16.6329, 21.2519,
11.6130

■ 23.4872, 24.4403,
27.5250

■ 15.3504, 20.6461,
9.0535

■ 25.6629, 25.4419,
33.0506

■ 14.2264, 20.1109,
7.0029

■ 28.0348, 26.5301,
39.2417

■ 13.2531, 19.6430,
5.4268

■ 30.6080, 27.7070,
46.1194

■ 12.4216, 19.2387,
4.2870

■ 33.3875, 28.9749,
53.7040

■ 11.7218, 18.8938,
3.5390

■ 36.3782, 30.3358,
62.0148

■ 11.1345, 18.6004,
3.0895

■ 39.5847, 31.7917,
71.0705

■ 11.0131, 18.5396,
2.9981

■ 43.0114, 33.3445,
80.8891

Harmonies

Analogous

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



21.1195, 22.6866, 16.9297



19.7016, 22.6866, 18.3795



18.8139, 22.6866, 21.5677

Triad

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



19.7016, 22.6866, 18.3795



20.4388, 22.6866, 33.8839



24.7720, 22.6866, 23.4450

Complementary

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



19.7016, 22.6866, 18.3795



18.2269, 17.3297, 25.3072

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.



24.5675, 22.6866, 28.1258



19.7016, 22.6866, 18.3795



22.0126, 22.6866, 34.5492

Square

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



19.7016, 22.6866, 18.3795



19.2246, 22.6866, 30.6108



23.5380, 22.6866, 32.3295



24.0836, 22.6866, 19.6069

Rectangle

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



19.7016, 22.6866, 18.3795



18.6156, 22.6866, 24.4395



23.5380, 22.6866, 32.3295



24.8060, 22.6866, 24.9661

Sweetspot

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



19.7022, 22.6876, 18.3800



39.4195, 42.5466, 42.7679



19.9447, 20.4654, 17.9383



9.0800, 9.8306, 9.7849



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.



19.7022, 22.6876, 18.3800



34.1728, 40.1109, 30.3674



18.0894, 21.8562, 18.3045



4.8216, 5.3106, 5.0003



10.1703, 17.1029, 2.7652



0.0436, 0.0636, 0.0100

Inverse Universe

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



18.2269, 17.3297, 25.3072



31.0622, 28.8142, 44.9729



20.0502, 18.2697, 25.3925



4.6398, 4.6504, 5.8538



6.2148, 2.7380, 21.3376



0.0299, 0.0138, 0.0743

Previews

White Background



This preview shows how the XYZ color 19.7016, 22.6866, 18.3795 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 19.7016, 22.6866, 18.3795 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

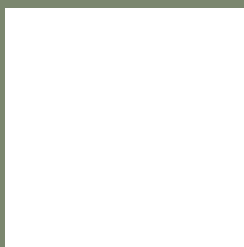
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7016, 22.6866, 18.3795

Background



This preview shows how black text looks on a background with the XYZ color 19.7016, 22.6866, 18.3795.



This preview shows how white text looks on a background with the XYZ color 19.7016, 22.6866,

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

19.7016, 22.6866, 18.3795

Protanopia

21.3578, 22.7400, 17.7316

Deuteranopia

23.0192, 22.5980, 18.7714



Tritanopia

21.8261, 22.7449, 28.4391

Trichromacy



Original Color

19.7016, 22.6866, 18.3795

Protanomaly

20.7386, 22.6149, 18.0239

Deuteranomaly

21.5901, 22.4458, 18.5238

Tritanomaly

20.8847, 22.5499, 24.3709

Monochromacy



Original Color

19.7016, 22.6866, 18.3795

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.3815, 22.1498, 21.6135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7016, 22.6866, 18.3795 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(123, 135, 111)` looks like.

```
.text, #text, p{  
    color:rgb(123, 135, 111)  
}
```

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(123, 135, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 135, 111) }
```

Border

The CSS property to change the border of an element to XYZ 19.7016, 22.6866, 18.3795 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(123, 135, 111) }
```


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

```
.border{ border-color:rgb(123, 135, 111) }
```

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

Here you see how a box with a 4 pixel rgb(123, 135, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 135, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 135, 111);  
box-shadow:4px 4px 4px 4px rgb(123, 135,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7016, 22.6866, 18.3795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 135, 111) }
```

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

```
.background{ background-color: rgb(123,  
135, 111) }
```

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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