

Converting Colors

XYZ(20.0728, 24.4393, 17.8467)

Have a look what the booklet for
XYZ(20.0728, 24.4393, 17.8467)
contains.

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Color

**XYZ(19.9875, 24.3507,
17.8340)**

Conversions

Conversions Part 1

Format	Color
Hex	778E6C
RGB	119, 142, 108
RGB Percent	47%, 56%, 42%
CMY	0.5333, 0.4431, 0.5765
CMYK	0.16, 0.00, 0.24, 0.44
HSL	101°, 14%, 49%
HSV	101°, 24%, 56%
XYZ	19.9875, 24.3507, 17.8340
YIQ	131.2470, -2.7940, -15.4500

Conversions

Conversions Part 2

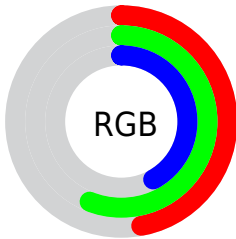
Format	Color
R_{YB}	108, 142, 131
Decimal	7835244
CIE _{Lab}	56.44, -14.90, 15.46
CIE _{LCh}	56, 21.472, 133.928
Yxy	24.3507, 0.3215, 0.3917
Android (android.graphics.Color)	4286025324 (0xFF778E6C)
YUV	131.2470, -11.4608, -10.7406
Hunter-Lab	49.3464, -14.0558, 13.1149

Details

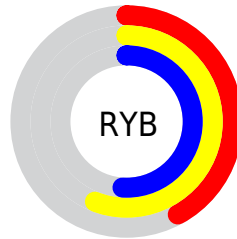
The XYZ color **19.9875, 24.3507, 17.8340** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.6062, 17.5041, 27.9379**, and the grayscale version is **21.7027, 22.8329, 24.8650**.

A 20% lighter version of the original color is **43.0983, 50.7886, 40.7894**, and **7.1685, 9.2826, 5.6889** is the 20% darker color. If you saturate the color by 10%, you get **18.0402, 23.4279, 14.1141**, and if you desaturate by 10%, it is **22.1926, 25.3936, 22.2096**.

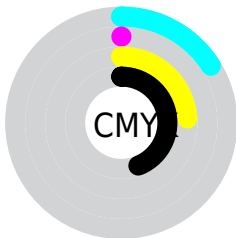
Distribution



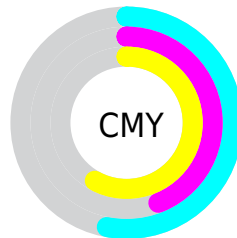
- Red (47%)
- Green (56%)
- Blue (42%)



- Red (42%)
- Yellow (56%)
- Blue (51%)



- Cyan (16%)
- Magenta (0%)
- Yellow (24%)
- Black (44%)



- Cyan (53%)
- Magenta (44%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9875, 24.3507, 17.8340 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 19.9875, 24.3507, 17.8340 by changing the saturation by 10% instead.

■ 19.9875, 24.3507,
17.8340

■ 19.9875, 24.3507,
17.8340

244.6823,
274.5887, 252.1383

■ 12.4942, 15.5940,
10.6627

■ 42.9003, 50.6019,
40.5644

■ 7.1558, 9.2373,
5.7292

■ 59.0505, 68.8651,
56.9605

■ 3.6069, 4.8963,
2.6150

■ 78.8171, 91.0660,
77.2686

■ 1.4822, 2.1865,
0.9002

■ 102.5653,
117.5889, 101.9073

■ 0.3137, 0.7126,
0.0000

130.6606,
148.8183, 131.2951

■ 0.0000, 0.0000,
0.0000

163.4683,

185.1384, 165.8505

201.3537,
226.9338, 205.9920

■ 19.9875, 24.3507,
17.8340

■ 19.9875, 24.3507,
17.8340

■ 18.0402, 23.4279,
14.1141

■ 22.1926, 25.3936,
22.2096

■ 16.3387, 22.6175,
11.0167

■ 24.6627, 26.5576,
27.2688

■ 14.8733, 21.9161,
8.5083

■ 27.4075, 27.8477,
33.0397

■ 13.6323, 21.3184,
6.5515

■ 30.4353, 29.2677,
39.5483

■ 12.6035, 20.8189,
5.1044

■ 33.7541, 30.8211,
46.8194

■ 11.7728, 20.4117,
4.1194

■ 37.3717, 32.5114,
54.8767

■ 11.1241, 20.0894,
3.5383

■ 41.2954, 34.3420,
63.7427

■ 10.7973, 19.9264,
3.2771

■ 45.5325, 36.3161,
73.4391

■ 50.0898, 38.4367,
83.9869

Harmonies

Analogous

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



22.0142, 24.3507, 15.3324



19.9875, 24.3507, 17.8340



18.8528, 24.3507, 22.9052

Triad

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



19.9875, 24.3507, 17.8340



21.8477, 24.3507, 41.9448



28.0954, 24.3507, 23.3565

Complementary

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



19.9875, 24.3507, 17.8340



19.6062, 17.5041, 27.9379

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.



28.0428, 24.3507, 30.4827



19.9875, 24.3507, 17.8340



24.3131, 24.3507, 42.1249

Square

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



19.9875, 24.3507, 17.8340



19.8732, 24.3507, 37.1775



26.6178, 24.3507, 37.6326



26.7567, 24.3507, 18.1132

Rectangle

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



19.9875, 24.3507, 17.8340



18.7002, 24.3507, 27.4616



26.6178, 24.3507, 37.6326



28.2426, 24.3507, 25.5880

Sweetspot

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



19.9881, 24.3517, 17.8345



42.0422, 46.1487, 45.0940



21.9347, 22.9778, 17.4667



9.3428, 10.2851, 9.9743



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



19.9881, 24.3517, 17.8345



33.2475, 41.9930, 27.5977



18.8764, 23.7426, 19.4086



5.4969, 6.1088, 5.7788



9.7116, 17.8991, 2.9430



0.1140, 0.1820, 0.0291

Inverse Universe

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



19.6062, 17.5041, 27.9379



32.4449, 27.6518, 48.7552



20.9865, 18.2636, 25.8373



5.4590, 5.4248, 6.7881



8.7408, 3.9997, 23.2884



0.1067, 0.0502, 0.2237

Previews

White Background



This preview shows how the XYZ color 19.9875, 24.3507, 17.8340 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 19.9875, 24.3507, 17.8340 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 19.9875, 24.3507, 17.8340

Background



This preview shows how black text looks on a background with the XYZ color 19.9875, 24.3507, 17.8340.



This preview shows how white text looks on a background with the XYZ color 19.9875, 24.3507,

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

19.9875, 24.3507, 17.8340

Protanopia

22.7154, 24.2772, 16.8533

Deuteranopia

24.7565, 24.2811, 18.4208



Tritanopia

22.7484, 24.3894, 31.5256

Trichromacy



Original Color

19.9875, 24.3507, 17.8340

Protanomaly

21.6817, 24.3685, 17.1965

Deuteranomaly

22.6673, 24.0156, 18.1926

Tritanomaly

21.6346, 24.3696, 25.7538

Monochromacy



Original Color

19.9875, 24.3507, 17.8340

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.9915, 23.2700, 22.1241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9875, 24.3507, 17.8340 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(119, 142, 108)` looks like.

```
.text, #text, p{  
    color:rgb(119, 142, 108)  
}
```

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(119, 142, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 142, 108) }
```

Border

The CSS property to change the border of an element to XYZ 19.9875, 24.3507, 17.8340 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(119, 142, 108) }
```


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

```
.border{ border-color:rgb(119, 142, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 142, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 142, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 142, 108);  
box-shadow:4px 4px 4px 4px rgb(119, 142,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9875, 24.3507, 17.8340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 142, 108) }
```

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

```
.background{ background-color: rgb(119,  
142, 108) }
```

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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