

Converting Colors

XYZ(19.8511, 20.2066, 19.9961)

Have a look what the booklet for
XYZ(19.8511, 20.2066, 19.9961)
contains.

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Color

**XYZ(19.9024, 20.2136,
19.9922)**

Conversions

Conversions Part 1

Format	Color
Hex	857A76
RGB	133, 122, 118
RGB Percent	52%, 48%, 46%
CMY	0.4784, 0.5216, 0.5373
CMYK	0.00, 0.08, 0.11, 0.48
HSL	16°, 6%, 49%
HSV	16°, 11%, 52%
XYZ	19.9024, 20.2136, 19.9922
YIQ	124.8330, 7.8400, 1.0880

Conversions

Conversions Part 2

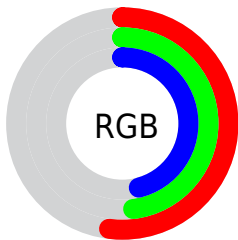
Format	Color
R_{YB}	133, 123, 118
Decimal	8747638
CIE _{Lab}	52.08, 3.47, 3.70
CIE _{LCh}	52, 5.074, 46.832
Yxy	20.2136, 0.3311, 0.3363
Android (android.graphics.Color)	4286937718 (0xFF857A76)
YUV	124.8330, -3.3687, 7.1625
Hunter-Lab	44.9595, 0.3380, 5.1071

Details

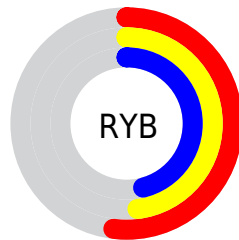
The XYZ color **19.9024, 20.2136, 19.9922** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.5550, 21.2451, 25.2606**, and the grayscale version is **19.4464, 20.4591, 22.2800**.

A 20% lighter version of the original color is **42.6415, 43.6135, 44.2010**, and **7.0553, 7.0463, 6.7826** is the 20% darker color. If you saturate the color by 10%, you get **18.0294, 17.6444, 15.7396**, and if you desaturate by 10%, it is **22.0081, 23.0695, 24.8728**.

Distribution



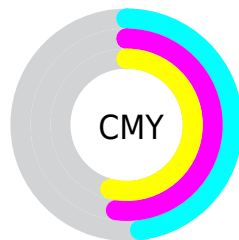
- Red (52%)
- Green (48%)
- Blue (46%)



- Red (52%)
- Yellow (48%)
- Blue (46%)



- Cyan (0%)
- Magenta (8%)
- Yellow (11%)
- Black (48%)



- Cyan (48%)
- Magenta (52%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9024, 20.2136, 19.9922 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 19.9024, 20.2136, 19.9922 by changing the saturation by 10% instead.

■ 19.9024, 20.2136,
19.9922

■ 19.9024, 20.2136,
19.9922

244.2299,
253.0691, 264.4757

■ 12.4320, 12.5504,
12.2054

■ 42.7587, 43.7750,
44.2629

■ 7.1129, 7.1197,
6.7595

■ 58.8752, 60.4420,
61.5838

■ 3.5797, 3.5371,
3.2360

■ 78.6046, 80.8791,
82.9199

■ 1.4672, 1.4181,
1.2163

102.3120,
105.4706, 108.6896

■ 0.3034, 0.2300,
0.0000

130.3629,
134.6010, 139.3115

■ 0.0000, 0.0000,
0.0000

163.1226,

168.6546, 175.2041

200.9565,
208.0158, 216.7860

■ 19.9024, 20.2136,
19.9922

■ 19.9024, 20.2136,
19.9922

■ 18.0294, 17.6444,
15.7396

■ 22.0081, 23.0695,
24.8728

■ 16.3794, 15.3503,
12.0881

■ 24.3527, 26.2179,
30.4041

■ 14.9441, 13.3229,
9.0106

■ 26.9440, 29.6678,
36.6095

■ 13.7145, 11.5522,
6.4778

■ 29.7891, 33.4271,
43.5107

■ 12.6804, 10.0277,
4.4574

■ 32.8948, 37.5033,
51.1285

■ 11.8311, 8.7380,
2.9138

■ 36.2676, 41.9037,
59.4827

■ 11.1547, 7.6710,
1.8068

■ 39.9137, 46.6352,
68.5925

■ 10.6373, 6.8131,
1.0896

■ 43.8393, 51.7048,
78.4762

■ 10.2885, 6.2176,
0.6579

■ 48.0501, 57.1189,
89.1517

Harmonies

Analogous

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



20.1823, 20.2136, 21.1929



19.9024, 20.2136, 19.9922



19.4404, 20.2136, 19.3451

Triad

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



19.9024, 20.2136, 19.9922



18.2582, 20.2136, 21.3653



19.5025, 20.2136, 24.8560

Complementary

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



19.9024, 20.2136, 19.9922



19.5550, 21.2451, 25.2606

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.



18.9863, 20.2136, 24.9072



19.9024, 20.2136, 19.9922



18.2741, 20.2136, 22.8461

Square

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



19.9024, 20.2136, 19.9922



18.4946, 20.2136, 20.1135



18.5386, 20.2136, 24.1574



19.9486, 20.2136, 24.0204

Rectangle

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



19.9024, 20.2136, 19.9922



19.0941, 20.2136, 19.2949



18.5386, 20.2136, 24.1574



19.3312, 20.2136, 24.9668

Sweetspot

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



19.9030, 20.2145, 19.9926



38.7058, 40.3589, 42.8926



20.1140, 19.5287, 23.4784



8.6554, 9.0051, 9.5126



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.



19.9030, 20.2145, 19.9926



34.5786, 34.7472, 33.3701



20.8594, 22.1274, 20.3114



4.7662, 4.8760, 4.9193



9.8059, 5.9343, 0.6286



0.0393, 0.0312, 0.0040

Inverse Universe

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



19.5550, 21.2451, 25.2606



33.8032, 37.0429, 45.1068



18.6034, 19.3419, 24.9433



4.6993, 5.0743, 5.9325



8.1563, 9.8605, 22.6101



0.0343, 0.0462, 0.0803

Previews

White Background



This preview shows how the XYZ color 19.9024, 20.2136, 19.9922 looks on a white background.

Color Contrast Check

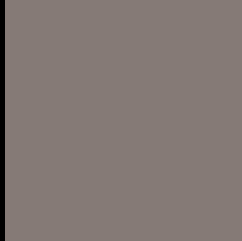
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9024, 20.2136, 19.9922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

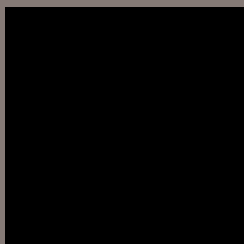
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.9024, 20.2136, 19.9922

Background



This preview shows how black text looks on a background with the XYZ color 19.9024, 20.2136, 19.9922.



This preview shows how white text looks on a background with the XYZ color 19.9024, 20.2136,

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

19.9024, 20.2136, 19.9922

Protanopia

19.4395, 20.3364, 20.3535

Deuteranopia

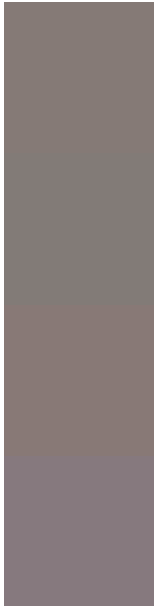
20.4677, 20.1442, 19.9490



Tritanopia

20.7374, 20.1955, 23.9242

Trichromacy



Original Color

19.9024, 20.2136, 19.9922

Protanomaly

19.6187, 20.2437, 20.3262

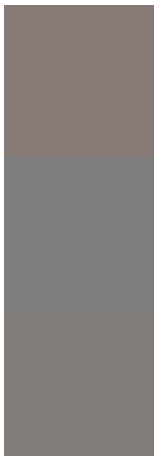
Deuteranomaly

20.2607, 20.2170, 19.9740

Tritanomaly

20.4348, 20.2494, 22.5702

Monochromacy



Original Color

19.9024, 20.2136, 19.9922

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.6226, 20.4096, 21.3176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9024, 20.2136, 19.9922 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(133, 122, 118)` looks like.

```
.text, #text, p{  
    color:rgb(133, 122, 118)  
}
```

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(133, 122, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 122, 118) }
```

Border

The CSS property to change the border of an element to XYZ 19.9024, 20.2136, 19.9922 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(133, 122, 118) }
```


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

```
.border{ border-color:rgb(133, 122, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 122, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 122, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 122, 118);  
box-shadow:4px 4px 4px 4px rgb(133, 122,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9024, 20.2136, 19.9922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 122, 118) }
```

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

```
.background{ background-color: rgb(133,  
122, 118) }
```

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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