

Converting Colors

XYZ(20.3703, 20.3635, 20.3598)

Have a look what the booklet for
XYZ(20.3703, 20.3635, 20.3598)
contains.

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Color

**XYZ(20.4426, 20.4852,
20.3294)**

Conversions

Conversions Part 1

Format	Color
Hex	887A77
RGB	136, 122, 119
RGB Percent	53%, 48%, 47%
CMY	0.4667, 0.5216, 0.5333
CMYK	0.00, 0.10, 0.12, 0.47
HSL	11°, 7%, 50%
HSV	11°, 12%, 53%
XYZ	20.4426, 20.4852, 20.3294
YIQ	125.8440, 9.3070, 2.0350

Conversions

Conversions Part 2

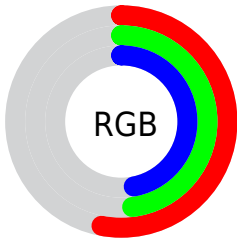
Format	Color
RYB	136, 123, 119
Decimal	8944247
CIELab	52.38, 4.83, 3.59
CIELCh	52, 6.014, 36.639
Yxy	20.4852, 0.3337, 0.3344
Android (android.graphics.Color)	4287134327 (0xFF887A77)
YUV	125.8440, -3.3741, 8.9068
Hunter-Lab	45.2606, 1.4161, 5.0515

Details

The XYZ color **20.4426, 20.4852, 20.3294** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.4391, 22.4740, 26.5533**, and the grayscale version is **19.7875, 20.8180, 22.6708**.

A 20% lighter version of the original color is **43.4730, 44.0312, 44.7357**, and **7.3576, 7.1985, 6.9629** is the 20% darker color. If you saturate the color by 10%, you get **18.3871, 17.5889, 15.8988**, and if you desaturate by 10%, it is **22.7746, 23.7470, 25.4293**.

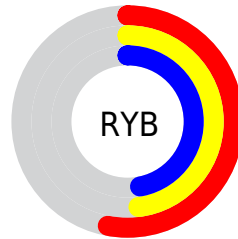
Distribution



Red (53%)

Green (48%)

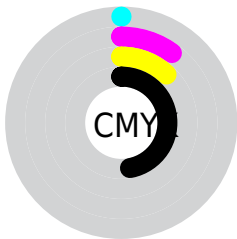
Blue (47%)



Red (53%)

Yellow (48%)

Blue (47%)

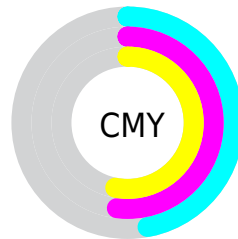


Cyan (0%)

Magenta (10%)

Yellow (12%)

Black (47%)



Cyan (47%)

Magenta (52%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4426, 20.4852, 20.3294 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 20.4426, 20.4852, 20.3294 by changing the saturation by 10% instead.

■ 20.4426, 20.4852,
20.3294

■ 20.4426, 20.4852,
20.3294

247.0894,
254.5298, 266.3558

■ 12.8273, 12.7482,
12.4483

■ 43.6563, 44.2292,
44.8350

■ 7.3859, 7.2554,
6.9235

■ 59.9854, 61.0050,
62.2965

■ 3.7531, 3.6223,
3.3366

■ 79.9499, 81.5625,
83.7885

■ 1.5634, 1.4646,
1.2690

103.9150,
106.2861, 109.7297

■ 0.3684, 0.2636,
0.0361

132.2461,
135.5603, 140.5384

■ 0.0000, 0.0000,
0.0000

165.3087,

169.7694, 176.6333

203.4680,
209.2977, 218.4329

■ 20.4426, 20.4852,
20.3294

■ 20.4426, 20.4852,
20.3294

■ 18.3871, 17.5889,
15.8988

■ 22.7746, 23.7470,
25.4293

■ 16.5961, 15.0427,
12.1085

■ 25.3912, 27.3836,
31.2235

■ 15.0592, 12.8341,
8.9291

■ 28.3021, 31.4074,
37.7371

■ 13.7647, 10.9487,
6.3285

■ 31.5163, 35.8294,
44.9937

■ 12.6999, 9.3713,
4.2716

■ 35.0422, 40.6603,
53.0156

■ 11.8511, 8.0853,
2.7194

■ 38.8879, 45.9101,
61.8246

■ 11.2027, 7.0724,
1.6280

■ 43.0612, 51.5886,
71.4411

■ 10.7371, 6.3124,
0.9454

■ 47.5698, 57.7054,
81.8852

■ 10.4804, 5.8884,
0.5842

■ 52.4209, 64.2697,
93.1761

Harmonies

Analogous

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



20.6785, 20.4852, 21.9126



20.4426, 20.4852, 20.3294



19.9470, 20.4852, 19.3160

Triad

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



20.4426, 20.4852, 20.3294



18.3969, 20.4852, 20.9787



19.6087, 20.4852, 25.8698

Complementary

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



20.4426, 20.4852, 20.3294



20.4391, 22.4740, 26.5533

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.



19.0018, 20.4852, 25.5873



20.4426, 20.4852, 20.3294



18.3106, 20.4852, 22.7018

Square

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



20.4426, 20.4852, 20.3294



18.7680, 20.4852, 19.6767



18.5298, 20.4852, 24.4044



20.1905, 20.4852, 25.1573

Rectangle

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



20.4426, 20.4852, 20.3294



19.5405, 20.4852, 19.0682



18.5298, 20.4852, 24.4044



19.4008, 20.4852, 25.8886

Sweetspot

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



20.4432, 20.4861, 20.3298



39.4502, 40.8932, 43.3067



20.9955, 20.1262, 25.0290



9.0691, 9.3768, 9.8820



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.



20.4432, 20.4861, 20.3298



34.9544, 34.5956, 33.5030



21.5103, 22.6204, 20.6856



5.0997, 5.1822, 5.2839



9.9246, 5.5837, 0.5547



0.0736, 0.0525, 0.0062

Inverse Universe

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



20.4391, 22.4740, 26.5533



34.9454, 38.8097, 46.6976



19.3434, 20.2828, 26.1881



5.0990, 5.5409, 6.4066



9.6939, 12.6581, 23.9780



0.0735, 0.1023, 0.1623

Previews

White Background



This preview shows how the XYZ color 20.4426, 20.4852, 20.3294 looks on a white background.

Color Contrast Check

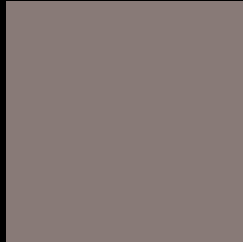
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4426, 20.4852, 20.3294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

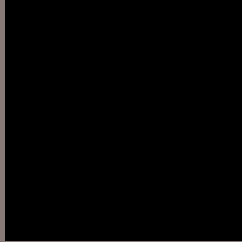
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4426, 20.4852, 20.3294

Background



This preview shows how black text looks on a background with the XYZ color 20.4426, 20.4852, 20.3294.



This preview shows how white text looks on a background with the XYZ color 20.4426, 20.4852,

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

20.4426, 20.4852, 20.3294

Protanopia

19.4999, 20.3606, 20.6715

Deuteranopia

20.8146, 20.4956, 20.3118



Tritanopia

21.0623, 20.3630, 23.9394

Trichromacy



Original Color

20.4426, 20.4852, 20.3294

Protanomaly

19.8332, 20.3473, 20.6514

Deuteranomaly

20.6484, 20.4099, 20.3040

Tritanomaly

20.9198, 20.4995, 22.5929

Monochromacy



Original Color

20.4426, 20.4852, 20.3294

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.1147, 20.8431, 21.7019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4426, 20.4852, 20.3294 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(136, 122, 119)` looks like.

```
.text, #text, p{  
    color:rgb(136, 122, 119)  
}
```

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(136, 122, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 122, 119) }
```

Border

The CSS property to change the border of an element to XYZ 20.4426, 20.4852, 20.3294 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(136, 122, 119) }
```


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

```
.border{ border-color:rgb(136, 122, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 122, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 122, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 122, 119);  
box-shadow:4px 4px 4px 4px rgb(136, 122,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4426, 20.4852, 20.3294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 122, 119) }
```

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

```
.background{ background-color: rgb(136,  
122, 119) }
```

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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