

Converting Colors

XYZ(22.2756, 22.7593, 20.3585)

Have a look what the booklet for
XYZ(22.2756, 22.7593, 20.3585)
contains.

XYZ(22.2756, 22.7593, 20.3585)	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(22.2756, 22.7593,
20.3585)**

Conversions

Conversions Part 1

Format	Color
Hex	8E8176
RGB	142, 129, 118
RGB Percent	56%, 51%, 46%
CMY	0.4431, 0.4941, 0.5373
CMYK	0.00, 0.09, 0.17, 0.44
HSL	28°, 10%, 51%
HSV	28°, 17%, 56%
XYZ	22.2756, 22.7593, 20.3585
YIQ	131.6330, 11.2790, -0.6650

Conversions

Conversions Part 2

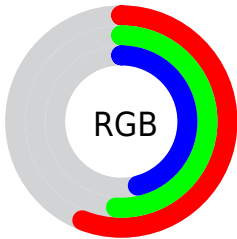
Format	Color
R_YB	142, 138, 118
Decimal	9339254
CIE Lab	54.82, 3.00, 7.74
CIE LCh	55, 8.305, 68.840
Yxy	22.7593, 0.3406, 0.3480
Android (android.graphics.Color)	4287529334 (0xFF8E8176)
YUV	131.6330, -6.7211, 9.0919
Hunter-Lab	47.7067, -0.1401, 8.0931

Details

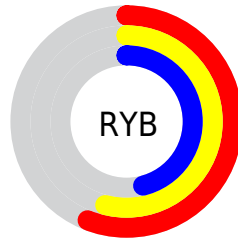
The XYZ color **22.2756, 22.7593, 20.3585** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.4699, 22.0367, 28.7660**, and the grayscale version is **21.8211, 22.9575, 25.0007**.

A 20% lighter version of the original color is **46.7486, 48.0939, 44.8494**, and **8.3878, 8.4548, 6.9842** is the 20% darker color. If you saturate the color by 10%, you get **20.5195, 20.4973, 15.9187**, and if you desaturate by 10%, it is **24.2362, 25.2266, 25.4939**.

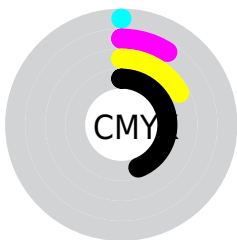
Distribution



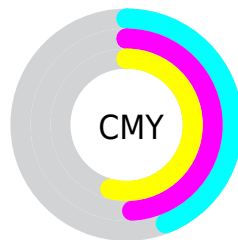
- Red (56%)
- Green (51%)
- Blue (46%)



- Red (56%)
- Yellow (54%)
- Blue (46%)



- Cyan (0%)
- Magenta (9%)
- Yellow (17%)
- Black (44%)



- Cyan (44%)
- Magenta (49%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2756, 22.7593, 20.3585 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 22.2756, 22.7593, 20.3585 by changing the saturation by 10% instead.

■ 22.2756, 22.7593,
20.3585

■ 22.2756, 22.7593,
20.3585

256.5876,
266.4863, 266.5175

■ 14.1773, 14.4159,
12.4692

■ 46.6766, 47.9978,
44.8843

■ 8.3266, 8.4105,
6.9377

■ 63.7099, 65.6617,
62.3579

■ 4.3582, 4.3587,
3.3453

■ 84.4523, 87.2011,
83.8633

■ 1.9067, 1.8762,
1.2735

109.2691,
113.0006, 109.8192

■ 0.5807, 0.5340,
0.0400

138.5257,
143.4444, 140.6440

■ 0.0000, 0.0000,
0.0000

172.5874,

178.9171, 176.7563

211.8196,
219.8029, 218.5746

■ 22.2756, 22.7593,
20.3585

■ 22.2756, 22.7593,
20.3585

■ 20.5195, 20.4973,
15.9187

■ 24.2362, 25.2266,
25.4939

■ 18.9589, 18.4321,
12.1426

■ 26.4065, 27.9016,
31.3518

■ 17.5864, 16.5587,
8.9980

■ 28.7935, 30.7904,
37.9597

■ 16.3936, 14.8709,
6.4496

■ 31.4036, 33.8979,
45.3430

■ 15.3715, 13.3621,
4.4584

■ 34.2429, 37.2290,
53.5260

■ 14.5099, 12.0251,
2.9806

■ 37.3169, 40.7882,
62.5319

■ 13.7974, 10.8522,
1.9658

■ 40.6313, 44.5800,
72.3830

■ 13.2155, 9.8325,
1.3277

■ 44.1915, 48.6087,
83.1007

■ 13.0515, 9.5429,
1.1541

■ 48.0025, 52.8785,
94.7057

Harmonies

Analogous

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



23.0365, 22.7593, 21.7434



22.2756, 22.7593, 20.3585



21.3619, 22.7593, 20.1131

Triad

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



22.2756, 22.7593, 20.3585



19.9340, 22.7593, 25.5662



22.7582, 22.7593, 28.9316

Complementary

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



22.2756, 22.7593, 20.3585



20.4699, 22.0367, 28.7660

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.



21.9045, 22.7593, 30.1204



22.2756, 22.7593, 20.3585



20.2858, 22.7593, 28.0891

Square

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



22.2756, 22.7593, 20.3585



20.0270, 22.7593, 23.0003



21.0010, 22.7593, 29.8017



23.3206, 22.7593, 26.6513

Rectangle

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



22.2756, 22.7593, 20.3585



20.7916, 22.7593, 20.6106



21.0010, 22.7593, 29.8017



22.4949, 22.7593, 29.4792

Sweetspot

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



22.2762, 22.7603, 20.3590



43.3982, 45.3049, 46.7168



21.7443, 20.3521, 24.3264



9.6424, 10.0560, 10.2987



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.



22.2762, 22.7603, 20.3590



38.1529, 38.6926, 33.0120



23.9210, 26.0498, 20.9072



5.5998, 5.8059, 5.7149



11.7362, 8.6042, 1.0422



0.1338, 0.1255, 0.0172

Inverse Universe

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



20.4699, 22.0367, 28.7660



34.3968, 37.1876, 50.4929



18.9747, 19.0462, 28.2676



5.3563, 5.7084, 6.8483



6.7788, 6.5437, 23.8829



0.0869, 0.1067, 0.2357

Previews

White Background



This preview shows how the XYZ color 22.2756, 22.7593, 20.3585 looks on a white background.

Color Contrast Check

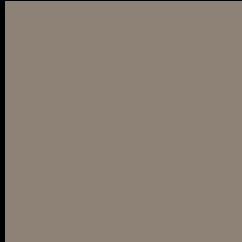
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2756, 22.7593, 20.3585 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 22.2756, 22.7593, 20.3585

Background



This preview shows how black text looks on a background with the XYZ color 22.2756, 22.7593, 20.3585.



This preview shows how white text looks on a background with the XYZ color 22.2756, 22.7593,

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

22.2756, 22.7593, 20.3585

Protanopia

21.5994, 22.7987, 20.7150

Deuteranopia

23.2538, 22.8763, 20.3295



Tritanopia

23.4064, 22.6286, 26.4267

Trichromacy



Original Color

22.2756, 22.7593, 20.3585

Protanomaly

21.7936, 22.7004, 20.6857

Deuteranomaly

22.8432, 22.8573, 20.3475

Tritanomaly

22.8795, 22.6034, 23.9259

Monochromacy



Original Color

22.2756, 22.7593, 20.3585

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.1004, 22.9991, 23.3531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2756, 22.7593, 20.3585 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(142, 129, 118)` looks like.

```
.text, #text, p{  
    color:rgb(142, 129, 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(142, 129, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 129, 118) }
```

Border

The CSS property to change the border of an element to XYZ 22.2756, 22.7593, 20.3585 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(142, 129, 118) }
```


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

```
.border{ border-color:rgb(142, 129, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 129, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 129, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 129, 118);  
box-shadow:4px 4px 4px 4px rgb(142, 129,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2756, 22.7593, 20.3585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 129, 118) }
```

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

```
.background{ background-color: rgb(142,  
129, 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](#).

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