

Converting Colors

XYZ(18.7713, 22.7317, 3.3983)

Have a look what the booklet for
XYZ(18.7713, 22.7317, 3.3983)
contains.

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Color

**XYZ(18.7958, 22.7592,
3.4023)**

Conversions

Conversions Part 1

Format	Color
Hex	878800
RGB	135, 136, 0
RGB Percent	53%, 53%, 0%
CMY	0.4706, 0.4667, 1.0000
CMYK	0.01, 0.00, 1.00, 0.47
HSL	60°, 100%, 27%
HSV	60°, 100%, 53%
XYZ	18.7958, 22.7592, 3.4023
YIQ	120.1970, 43.0600, -42.5080

Conversions

Conversions Part 2

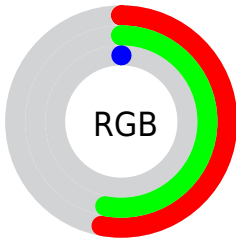
Format	Color
RYB	0, 136, 1
Decimal	8882176
CIELab	54.82, -13.97, 59.12
CIElCh	55, 60.744, 103.297
Yxy	22.7592, 0.4181, 0.5062
Android (android.graphics.Color)	4287072256 (0xFF878800)
YUV	120.1970, -59.2571, 12.9822
Hunter-Lab	47.7066, -13.1598, 29.1662

Details

The XYZ color **18.7958, 22.7592, 3.4023** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.4570, 1.7844, 23.4035**, and the grayscale version is **18.0908, 19.0330, 20.7269**.

A 20% lighter version of the original color is **40.9792, 48.0190, 12.5776**, and **6.8015, 8.5657, 1.2949** is the 20% darker color. If you saturate the color by 10%, you get **18.7963, 22.7602, 3.4025**, and if you desaturate by 10%, it is **18.8891, 22.7992, 3.8068**.

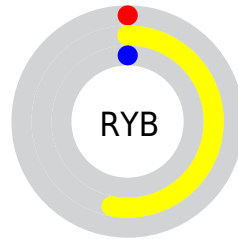
Distribution



Red (53%)

Green (53%)

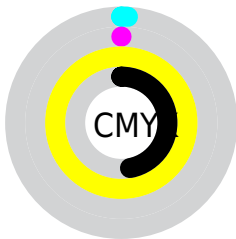
Blue (0%)



Red (0%)

Yellow (53%)

Blue (0%)

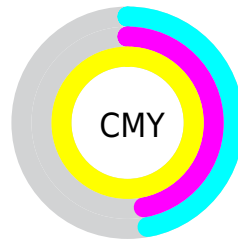


Cyan (1%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (47%)

Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7958, 22.7592, 3.4023 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 18.7958, 22.7592, 3.4023 by changing the saturation by 10% instead.

■ 18.7958, 22.7592,
3.4023

■ 18.7958, 22.7592,
3.4023

238.2789,
266.4858, 141.3303

■ 11.6260, 14.4158,
1.3035

■ 40.9083, 47.9976,
12.6060

■ 6.5599, 8.4104,
0.0647

■ 56.5817, 65.6615,
20.5480

■ 3.2323, 4.3587,
0.0000

■ 75.8203, 87.2009,
31.2748

■ 1.2778, 1.8762,
0.0000

■ 98.9894, 113.0003,
45.2050


■ 0.1665, 0.5340,
0.0000


■ 126.4545,
143.4441, 62.7571


■ 0.0000, 0.0000,
0.0000


■ 158.5809,


178.9167, 84.3497


 195.7339,
219.8024, 110.4012


 18.7958, 22.7592,
3.4023


 18.7958, 22.7592,
3.4023


 18.7963, 22.7602,
3.4025

 18.8891, 22.7992,
3.8068

 19.0289, 22.8570,
4.4586

 19.2418, 22.9441,
5.4950

 19.5366, 23.0639,
6.9629

 19.9210, 23.2195,
8.9025

■ 20.4018, 23.4137,
11.3494

■ 20.9850, 23.6489,
14.3357

■ 21.6763, 23.9273,
17.8910

■ 22.4809, 24.2510,
22.0427

Harmonies

Analogous

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



25.5596, 22.7592, 3.5560



18.7958, 22.7592, 3.4023



13.9299, 22.7592, 6.4339

Triad

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



18.7958, 22.7592, 3.4023



13.5291, 22.7592, 59.7782



36.5071, 22.7592, 37.0020

Complementary

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



18.7958, 22.7592, 3.4023



4.4570, 1.7844, 23.4035

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.



31.7508, 22.7592, 62.6176



18.7958, 22.7592, 3.4023



18.1288, 22.7592, 79.7601

Square

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



18.7958, 22.7592, 3.4023



11.3415, 22.7592, 34.2970



24.7399, 22.7592, 81.0067



36.7894, 22.7592, 17.2111

Rectangle

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



18.7958, 22.7592, 3.4023



12.0252, 22.7592, 11.6005



24.7399, 22.7592, 81.0067



35.3399, 22.7592, 45.3910

Sweetspot

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



18.7963, 22.7603, 3.4028



36.9062, 41.6442, 24.8861



10.1541, 5.2348, 0.4755



8.4558, 9.6075, 5.2954



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.



18.7963, 22.7603, 3.4028



33.1163, 40.1046, 5.9955



11.1891, 18.8386, 3.0468



5.4275, 5.8431, 5.3942



17.7893, 21.5407, 3.2202



0.1187, 0.1434, 0.0214

Inverse Universe

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



4.4570, 1.7844, 23.4035



7.8478, 3.1410, 41.2410



6.8287, 3.0071, 23.5145



4.7778, 4.8939, 6.2986



4.2183, 1.6887, 22.1493



0.0284, 0.0114, 0.1472

Previews

White Background



This preview shows how the XYZ color 18.7958, 22.7592, 3.4023 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 18.7958, 22.7592, 3.4023 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 18.7958, 22.7592, 3.4023

Background



This preview shows how black text looks on a background with the XYZ color 18.7958, 22.7592, 3.4023.



This preview shows how white text looks on a background with the XYZ color 18.7958, 22.7592,

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

18.7958, 22.7592, 3.4023

Protanopia

20.4640, 22.7984, 3.3220

Deuteranopia

23.0689, 22.5764, 3.8513



Tritanopia

23.4064, 22.6286, 26.4267

Trichromacy



Original Color

18.7958, 22.7592, 3.4023

Protanomaly

19.7152, 22.6147, 3.3260

Deuteranomaly

21.3094, 22.4360, 3.5882

Tritanomaly

20.6874, 22.3161, 12.2339

Monochromacy



Original Color

18.7958, 22.7592, 3.4023

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.2228, 19.8035, 9.7522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7958, 22.7592, 3.4023 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(135, 136, 0)` looks like.

```
.text, #text, p{  
    color:rgb(135, 136, 0)  
}
```

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(135, 136, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 136, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.7958, 22.7592, 3.4023 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(135, 136, 0) }
```


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

```
.border{ border-color:rgb(135, 136, 0) }
```

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

Here you see how a box with a 4 pixel rgb(135, 136, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 136, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 136, 0);  
box-shadow:4px 4px 4px 4px rgb(135, 136,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7958, 22.7592, 3.4023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 136, 0) }
```

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

```
.background{ background-color: rgb(135,  
136, 0) }
```

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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