

Converting Colors

XYZ(22.4013, 12.8747, 55.3378)

Have a look what the booklet for
XYZ(22.4013, 12.8747, 55.3378)
contains.

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Color

**XYZ(22.3480, 12.8871,
55.3424)**

Conversions

Conversions Part 1

Format	Color
Hex	893EC7
RGB	137, 62, 199
RGB Percent	54%, 24%, 78%
CMY	0.4627, 0.7569, 0.2196
CMYK	0.31, 0.69, 0.00, 0.22
HSL	273°, 55%, 51%
HSV	273°, 69%, 78%
XYZ	22.3480, 12.8871, 55.3424
YIQ	100.0430, 0.7230, 58.5070

Conversions

Conversions Part 2

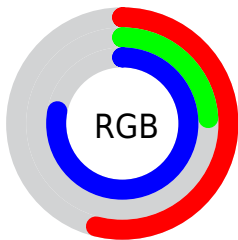
Format	Color
RYB	137, 62, 199
Decimal	8994503
CIELab	42.59, 56.05, -58.59
CIElCh	43, 81.083, 313.732
Yxy	12.8871, 0.2467, 0.1423
Android (android.graphics.Color)	4287184583 (0xFF893EC7)
YUV	100.0430, 48.7858, 32.4113
Hunter-Lab	35.8986, 48.2992, -66.2743

Details

The XYZ color **22.3480, 12.8871, 55.3424** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark muted purple. A complement of this color would be **29.6050, 45.4798, 11.7757**, and the grayscale version is **12.0040, 12.6292, 13.7532**.

A 20% lighter version of the original color is **46.4289, 30.9508, 98.1348**, and **8.4274, 3.7629, 26.6677** is the 20% darker color. If you saturate the color by 10%, you get **20.0422, 10.3757, 54.9794**, and if you desaturate by 10%, it is **25.1743, 16.2550, 55.8438**.

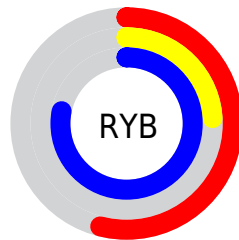
Distribution



Red (54%)

Green (24%)

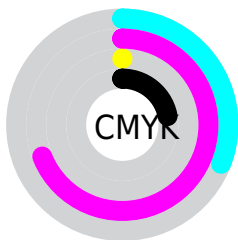
Blue (78%)



Red (54%)

Yellow (24%)

Blue (78%)

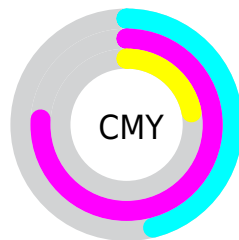


Cyan (31%)

Magenta (69%)

Yellow (0%)

Black (22%)



Cyan (46%)

Magenta (76%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3480, 12.8871, 55.3424 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 22.3480, 12.8871, 55.3424 by changing the saturation by 10% instead.

■ 22.3480, 12.8871,
55.3424

■ 22.3480, 12.8871,
55.3424

256.9566,
210.1928, 424.5270

■ 14.2309, 7.3508,
39.2755

■ 46.7951, 31.1008,
99.5186

■ 8.3642, 3.6825,
26.6646

■ 63.8557, 44.5470,
128.4650

■ 4.3826, 1.4976,
17.0913

■ 84.6283, 61.3987,
162.5416

■ 1.9208, 0.2870,
10.1370

■ 109.4780, 82.0403,
202.1670

■ 0.5889, 0.0000,
5.3831

■ 138.7704,
106.8561, 247.7597

■ 0.0000, 0.0000,
2.4111

172.8707,

■ 0.0000, 0.0000,

136.2305, 299.7382

0.7925

212.1443,
170.5480, 358.5211

■ 0.0000, 0.0000,
0.0000

■ 22.3480, 12.8871,
55.3424

■ 22.3480, 12.8871,
55.3424

■ 20.0422, 10.3757,
54.9794

■ 25.1743, 16.2550,
55.8438

■ 18.2063, 8.6265,
54.7386

■ 28.5610, 20.5572,
56.4957

■ 16.7626, 7.4876,
54.5948

■ 32.5457, 25.8640,
57.3100

■ 16.6088, 7.3713,
54.5805

■ 37.1618, 32.2382,
58.2970

■ 42.4402, 39.7377,
59.4664

■ 48.4094, 48.4158,
60.8268

■ 55.0964, 58.3226,
62.3866

■ 62.5264, 69.5051,
64.1534

■ 70.7234, 82.0078,
66.1346

Harmonies

Analogous

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



15.2680, 12.8871, 79.0941



22.3480, 12.8871, 55.3424



27.4228, 12.8871, 25.7845

Triad

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



22.3480, 12.8871, 55.3424



15.8598, 12.8871, 0.0000



3.9911, 12.8871, 23.6771

Complementary

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



22.3480, 12.8871, 55.3424



29.6050, 45.4798, 11.7757

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.



4.0555, 12.8871, 6.5355



22.3480, 12.8871, 55.3424



9.6564, 12.8871, 0.0000

Square

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



22.3480, 12.8871, 55.3424



22.9040, 12.8871, 1.2378



5.7695, 12.8871, 1.0398



5.5488, 12.8871, 52.7438

Rectangle

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



22.3480, 12.8871, 55.3424



28.1955, 12.8871, 11.9458



5.7695, 12.8871, 1.0398



3.8451, 12.8871, 16.3477

Sweetspot

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



22.3486, 12.8876, 55.3427



71.9215, 66.1535, 103.5860



19.7480, 20.0526, 56.8628



14.8319, 13.3586, 22.0467



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



22.3486, 12.8876, 55.3427



33.2686, 16.3668, 96.0134



35.0624, 19.5021, 53.2110



10.6023, 10.5688, 13.3987



10.7819, 4.7925, 35.1011



0.5932, 0.2695, 1.6659

Inverse Universe

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



28.9140, 17.0427, 20.8338



46.7863, 24.8812, 26.8122



23.4104, 42.2713, 12.1678



10.8301, 10.7154, 12.0884



16.3764, 8.3001, 7.1917



0.8118, 0.4076, 0.5322

Previews

White Background



This preview shows how the XYZ color 22.3480, 12.8871, 55.3424 looks on a white background.

Color Contrast Check

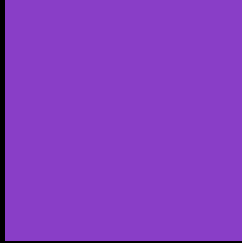
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.3480, 12.8871, 55.3424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

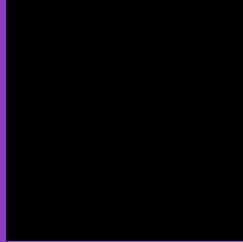
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.3480, 12.8871, 55.3424

Background



This preview shows how black text looks on a background with the XYZ color 22.3480, 12.8871, 55.3424.



This preview shows how white text looks on a background with the XYZ color 22.3480, 12.8871,

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

22.3480, 12.8871, 55.3424

Protanopia

15.4153, 13.0056, 60.0904

Deuteranopia

13.0885, 12.9958, 44.9986



Tritanopia

13.9594, 12.8669, 14.0597

Trichromacy



Original Color

22.3480, 12.8871, 55.3424



Protanomaly

15.2652, 11.3306, 57.8824



Deuteranomaly

13.7748, 11.2454, 48.4583



Tritanomaly

16.1368, 12.2763, 25.1860

Monochromacy



Original Color

22.3480, 12.8871, 55.3424



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

14.5818, 11.9439, 24.8294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3480, 12.8871, 55.3424 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(137, 62, 199)` looks like.

```
.text, #text, p{  
    color:rgb(137, 62, 199)  
}
```

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(137, 62, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 62, 199) }
```

Border

The CSS property to change the border of an element to XYZ 22.3480, 12.8871, 55.3424 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(137, 62, 199) }
```


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

```
.border{ border-color:rgb(137, 62, 199) }
```

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

Here you see how a box with a 4 pixel rgb(137, 62, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 62, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 62, 199);  
box-shadow:4px 4px 4px 4px rgb(137, 62,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3480, 12.8871, 55.3424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 62, 199) }
```

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

```
.background{ background-color: rgb(137, 62,  
199) }
```

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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