

Converting Colors

XYZ(24.4865, 20.8068, 42.5013)

Have a look what the booklet for
XYZ(24.4865, 20.8068, 42.5013)
contains.

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Color

**XYZ(24.4888, 20.8540,
42.2697)**

Conversions

Conversions Part 1

Format	Color
Hex	8C73AD
RGB	140, 115, 173
RGB Percent	55%, 45%, 68%
CMY	0.4510, 0.5490, 0.3216
CMYK	0.19, 0.34, 0.00, 0.32
HSL	266°, 26%, 56%
HSV	266°, 34%, 68%
XYZ	24.4888, 20.8540, 42.2697
YIQ	129.0870, -3.7180, 23.3380

Conversions

Conversions Part 2

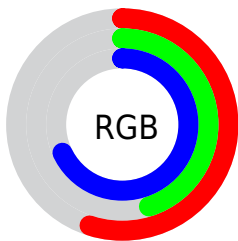
Format	Color
R _Y B	140, 115, 173
Decimal	9204653
CIE Lab	52.79, 21.65, -27.30
CIE LCh	53, 34.843, 308.425
Yxy	20.8540, 0.2795, 0.2380
Android (android.graphics.Color)	4287394733 (0xFF8C73AD)
YUV	129.0870, 21.6491, 9.5707
Hunter-Lab	45.6662, 15.8060, -22.9139

Details

The XYZ color **24.4888, 20.8540, 42.2697** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **30.2513, 37.4213, 21.8490**, and the grayscale version is **20.8248, 21.9093, 23.8592**.

A 20% lighter version of the original color is **50.2097, 44.7639, 80.1227**, and **9.5171, 7.4942, 18.7142** is the 20% darker color. If you saturate the color by 10%, you get **21.1131, 16.4554, 41.5989**, and if you desaturate by 10%, it is **28.3845, 26.0712, 43.0717**.

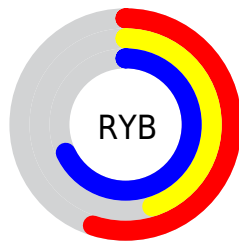
Distribution



Red (55%)

Green (45%)

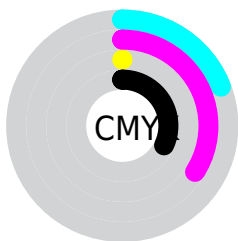
Blue (68%)



Red (55%)

Yellow (45%)

Blue (68%)

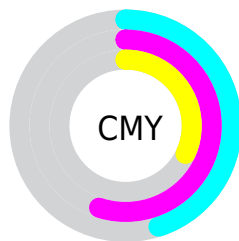


Cyan (19%)

Magenta (34%)

Yellow (0%)

Black (32%)



Cyan (45%)

Magenta (55%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4888, 20.8540, 42.2697 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 24.4888, 20.8540, 42.2697 by changing the saturation by 10% instead.

■ 24.4888, 20.8540,
42.2697

■ 24.4888, 20.8540,
42.2697

267.6773,
256.5016, 371.4323

■ 15.8233, 13.0173,
28.9854

■ 50.2756, 44.8444,
79.8821

■ 9.4893, 7.4405,
18.8243

■ 68.1276, 61.7670,
105.0473

■ 5.1213, 3.7391,
11.3679

■ 89.7724, 82.4869,
135.0099

■ 2.3541, 1.5287,
6.1976

■ 115.5755,
107.3887, 170.1884

■ 0.8221, 0.3088,
2.8948

145.9022,
136.8566, 211.0013

■ 0.0000, 0.0000,
1.0412

181.1178,

■ 0.0000, 0.0000,

171.2751, 257.8673

0.0000

221.5877,
211.0287, 311.2048

■ 24.4888, 20.8540,
42.2697

■ 24.4888, 20.8540,
42.2697

■ 21.1131, 16.4554,
41.5989

■ 28.3845, 26.0712,
43.0717

■ 18.2308, 12.8293,
41.0510

■ 32.8209, 32.1448,
44.0102

■ 15.8155, 9.9289,
40.6184

■ 37.8202, 39.1129,
45.0917

■ 13.8377, 7.7011,
40.2927

■ 43.4026, 47.0108,
46.3220

■ 12.2636, 6.0850,
40.0637

■ 49.5872, 55.8719,
47.7064

■ 11.0535, 5.0080,
39.9196

■ 56.3922, 65.7278,
49.2501

■ 10.4111, 4.4958,
39.8546

■ 63.8352, 76.6086,
50.9580

■ 71.9327, 88.5433,
52.8348

■ 75.4851, 91.1277,
53.1464

Harmonies

Analogous

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



20.8627, 20.8540, 48.8131



24.4888, 20.8540, 42.2697



27.0552, 20.8540, 30.8889

Triad

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



24.4888, 20.8540, 42.2697



22.5032, 20.8540, 8.7176



13.6812, 20.8540, 25.7666

Complementary

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



24.4888, 20.8540, 42.2697



30.2513, 37.4213, 21.8490

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.



14.0072, 20.8540, 16.1140



24.4888, 20.8540, 42.2697



18.8148, 20.8540, 8.1059

Square

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



24.4888, 20.8540, 42.2697



25.8149, 20.8540, 12.4017



15.7877, 20.8540, 10.3600



14.8353, 20.8540, 37.5530

Rectangle

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



24.4888, 20.8540, 42.2697



27.6588, 20.8540, 23.2609



15.7877, 20.8540, 10.3600



13.6244, 20.8540, 22.1609

Sweetspot

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



24.4895, 20.8548, 42.2702



61.6656, 61.5683, 79.4395



25.3348, 28.1048, 43.6250



13.1444, 13.0235, 17.2087



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.4895, 20.8548, 42.2702



39.4294, 31.5531, 74.8180



29.8581, 23.6224, 42.5214



7.8940, 7.9197, 10.0653



7.7114, 3.3352, 29.2818



0.2780, 0.1255, 0.8176

Inverse Universe

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



28.7101, 23.2845, 30.9986



48.3105, 36.6718, 50.8248



25.7613, 35.1066, 21.6389



8.1889, 8.0888, 9.3058



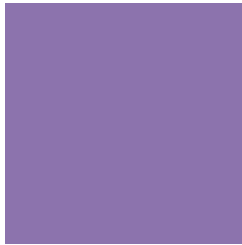
14.3243, 7.1923, 9.3530



0.4252, 0.2108, 0.4010

Previews

White Background



This preview shows how the XYZ color 24.4888, 20.8540, 42.2697 looks on a white background.

Color Contrast Check

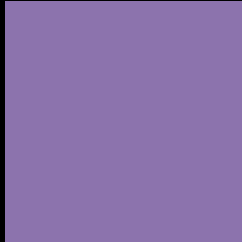
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4888, 20.8540, 42.2697 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 24.4888, 20.8540, 42.2697

Background



This preview shows how black text looks on a background with the XYZ color 24.4888, 20.8540, 42.2697.



This preview shows how white text looks on a background with the XYZ color 24.4888, 20.8540,

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

24.4888, 20.8540, 42.2697

Protanopia

21.6302, 20.8987, 46.0738

Deuteranopia

21.3684, 20.8663, 41.4294



Tritanopia

20.9895, 20.8459, 25.1077

Trichromacy



Original Color

24.4888, 20.8540, 42.2697

Protanomaly

22.5189, 20.8421, 44.4310

Deuteranomaly

22.4521, 20.8643, 41.8736

Tritanomaly

22.2151, 20.8053, 30.8619

Monochromacy



Original Color

24.4888, 20.8540, 42.2697

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.9914, 21.4462, 29.7685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4888, 20.8540, 42.2697 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(140, 115, 173)` looks like.

```
.text, #text, p{  
    color:rgb(140, 115, 173)  
}
```

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(140, 115, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 115, 173) }
```

Border

The CSS property to change the border of an element to XYZ 24.4888, 20.8540, 42.2697 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(140, 115, 173) }
```


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

```
.border{ border-color:rgb(140, 115, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 115, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 115, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 115, 173);  
box-shadow:4px 4px 4px 4px rgb(140, 115,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4888, 20.8540, 42.2697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 115, 173) }
```

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

```
.background{ background-color: rgb(140,  
115, 173) }
```

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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