

Converting Colors

XYZ(20.7463, 16.0529, 38.6218)

Have a look what the booklet for
XYZ(20.7463, 16.0529, 38.6218)
contains.

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Color

**XYZ(20.8308, 16.1423,
38.5771)**

Conversions

Conversions Part 1

Format	Color
Hex	8560A7
RGB	133, 96, 167
RGB Percent	52%, 38%, 65%
CMY	0.4784, 0.6235, 0.3451
CMYK	0.20, 0.43, 0.00, 0.35
HSL	271°, 29%, 52%
HSV	271°, 43%, 65%
XYZ	20.8308, 16.1423, 38.5771
YIQ	115.1570, -0.7390, 29.9250

Conversions

Conversions Part 2

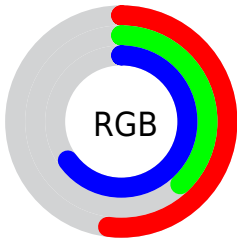
Format	Color
R_{YB}	133, 96, 167
Decimal	8741031
CIE _{Lab}	47.16, 29.21, -32.62
CIE _{LCh}	47, 43.791, 311.844
Yxy	16.1423, 0.2757, 0.2137
Android (android.graphics.Color)	4286931111 (0xFF8560A7)
YUV	115.1570, 25.5586, 15.6483
Hunter-Lab	40.1775, 22.2362, -28.8041

Details

The XYZ color **20.8308, 16.1423, 38.5771** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.1364, 33.2281, 16.1558**, and the grayscale version is **16.2689, 17.1161, 18.6394**.

A 20% lighter version of the original color is **44.1121, 36.7062, 73.8673**, and **7.6311, 5.1455, 16.8106** is the 20% darker color. If you saturate the color by 10%, you get **18.2511, 12.7861, 38.0655**, and if you desaturate by 10%, it is **23.8314, 20.1967, 39.2018**.

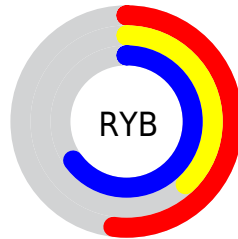
Distribution



Red (52%)

Green (38%)

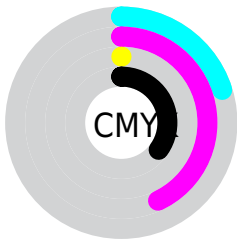
Blue (65%)



Red (52%)

Yellow (38%)

Blue (65%)

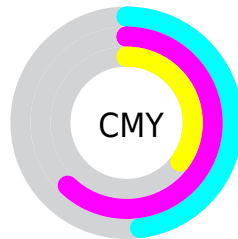


Cyan (20%)

Magenta (43%)

Yellow (0%)

Black (35%)



Cyan (48%)

Magenta (62%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8308, 16.1423, 38.5771 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 20.8308, 16.1423, 38.5771 by changing the saturation by 10% instead.

■ 20.8308, 16.1423,
38.5771

■ 20.8308, 16.1423,
38.5771

249.1267,
230.1799, 355.4613

■ 13.1121, 9.6249,
26.1256

■ 44.2992, 36.8451,
74.2050

■ 7.5833, 5.1510,
16.6910

■ 60.7796, 51.7992,
98.2185

■ 3.8791, 2.3361,
9.8548

■ 80.9113, 70.3344,
126.9231

■ 1.6339, 0.7927,
5.1985

■ 105.0596, 92.8351,
160.7374

■ 0.4144, 0.0000,
2.3034

133.5900,
119.6856, 200.0797

■ 0.0000, 0.0000,
0.7331

166.8677,

■ 0.0000, 0.0000,

151.2703, 245.3688

0.0000

205.2582,
187.9736, 297.0232

■ 20.8308, 16.1423,
38.5771

■ 20.8308, 16.1423,
38.5771

■ 18.2511, 12.7861,
38.0655

■ 23.8314, 20.1967,
39.2018

■ 16.0678, 10.0836,
37.6590

■ 27.2722, 24.9860,
39.9449

■ 14.2563, 7.9883,
37.3500

■ 31.1731, 30.5469,
40.8126

■ 12.7878, 6.4462,
37.1297

■ 35.5524, 36.9127,
41.8106

■ 11.6286, 5.3933,
36.9876

■ 40.4270, 44.1150,
42.9438

■ 10.9083, 4.8177,
36.9145

■ 45.8133, 52.1834,
44.2173

■ 51.7267, 61.1462,
45.6356

■ 58.1820, 71.0304,
47.2032

■ 65.1933, 81.8618,
48.9244

Harmonies

Analogous

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



16.9131, 16.1423, 47.5678



20.8308, 16.1423, 38.5771



23.5080, 16.1423, 25.0461

Triad

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



20.8308, 16.1423, 38.5771



17.7674, 16.1423, 4.1463



9.1775, 16.1423, 22.2973

Complementary

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



20.8308, 16.1423, 38.5771



25.1364, 33.2281, 16.1558

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.



9.3281, 16.1423, 11.7623



20.8308, 16.1423, 38.5771



13.8728, 16.1423, 3.9198

Square

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



20.8308, 16.1423, 38.5771



21.5457, 16.1423, 6.8864



10.9147, 16.1423, 6.0396



10.4617, 16.1423, 35.8553

Rectangle

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



20.8308, 16.1423, 38.5771



23.9962, 16.1423, 16.9028



10.9147, 16.1423, 6.0396



9.0687, 16.1423, 18.2673

Sweetspot

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



20.8314, 16.1430, 38.5775



55.2962, 53.9409, 72.9725



19.8243, 21.3270, 39.6312



12.0265, 11.5719, 16.2519



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.8314, 16.1430, 38.5775



32.9390, 23.2205, 68.2212



26.9858, 19.3282, 38.2970



7.4908, 7.4856, 9.4684



8.4040, 3.7159, 28.2498



0.2630, 0.1206, 0.6901

Inverse Universe

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



24.1489, 18.1935, 23.3584



39.9869, 27.5725, 36.0803



20.8093, 30.9911, 16.2399



7.6751, 7.5999, 8.6063



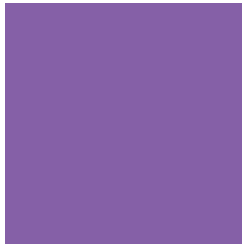
13.3264, 6.7393, 6.5302



0.3502, 0.1744, 0.2957

Previews

White Background



This preview shows how the XYZ color 20.8308, 16.1423, 38.5771 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 20.8308, 16.1423, 38.5771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

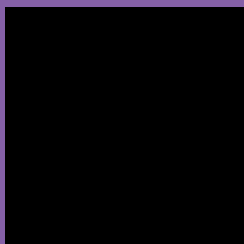
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8308, 16.1423, 38.5771

Background



This preview shows how black text looks on a background with the XYZ color 20.8308, 16.1423, 38.5771.



This preview shows how white text looks on a background with the XYZ color 20.8308, 16.1423,

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

20.8308, 16.1423, 38.5771

Protanopia

17.5504, 16.3850, 44.8854

Deuteranopia

16.6017, 16.2229, 37.3783



Tritanopia

16.7223, 16.0614, 18.7418

Trichromacy



Original Color

20.8308, 16.1423, 38.5771

Protanomaly

18.3830, 16.0819, 42.6927

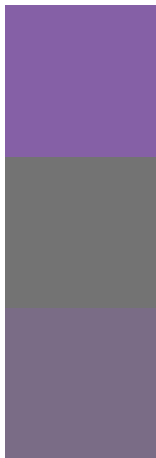
Deuteranomaly

17.8894, 16.0889, 37.7599

Tritanomaly

17.9758, 15.9618, 25.0552

Monochromacy



Original Color

20.8308, 16.1423, 38.5771

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.6917, 16.5839, 24.8228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8308, 16.1423, 38.5771 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(133, 96, 167)` looks like.

```
.text, #text, p{  
    color:rgb(133, 96, 167)  
}
```

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(133, 96, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 96, 167) }
```

Border

The CSS property to change the border of an element to XYZ 20.8308, 16.1423, 38.5771 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(133, 96, 167) }
```


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

```
.border{ border-color:rgb(133, 96, 167) }
```

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

Here you see how a box with a 4 pixel rgb(133, 96, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 96, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 96, 167);  
box-shadow:4px 4px 4px 4px rgb(133, 96,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8308, 16.1423, 38.5771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 96, 167) }
```

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

```
.background{ background-color: rgb(133, 96,  
167) }
```

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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