

Converting Colors

XYZ(20.8965, 16.3279, 34.4431)

Have a look what the booklet for
XYZ(20.8965, 16.3279, 34.4431)
contains.

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Color

**XYZ(20.8357, 16.2376,
34.3838)**

Conversions

Conversions Part 1

Format	Color
Hex	8A609E
RGB	138, 96, 158
RGB Percent	54%, 38%, 62%
CMY	0.4588, 0.6235, 0.3804
CMYK	0.13, 0.39, 0.00, 0.38
HSL	281°, 24%, 50%
HSV	281°, 39%, 62%
XYZ	20.8357, 16.2376, 34.3838
YIQ	115.6260, 5.1300, 28.1860

Conversions

Conversions Part 2

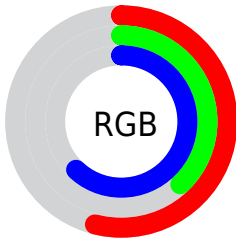
Format	Color
R _Y B	138, 96, 158
Decimal	9068702
CIE Lab	47.28, 28.70, -27.08
CIE LCh	47, 39.463, 316.662
Yxy	16.2376, 0.2916, 0.2272
Android (android.graphics.Color)	4287258782 (0xFF8A609E)
YUV	115.6260, 20.8904, 19.6220
Hunter-Lab	40.2959, 21.7787, -22.3840

Details

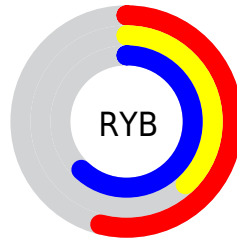
The XYZ color **20.8357, 16.2376, 34.3838** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.5410, 29.0116, 15.5314**, and the grayscale version is **16.4237, 17.2790, 18.8169**.

A 20% lighter version of the original color is **44.1822, 36.8780, 67.7403**, and **7.5890, 5.1807, 14.2357** is the 20% darker color. If you saturate the color by 10%, you get **18.7130, 13.2145, 33.9124**, and if you desaturate by 10%, it is **23.2888, 19.8619, 34.9543**.

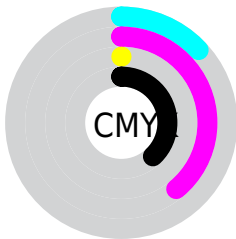
Distribution



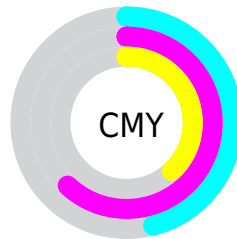
- Red (54%)
- Green (38%)
- Blue (62%)



- Red (54%)
- Yellow (38%)
- Blue (62%)



- Cyan (13%)
- Magenta (39%)
- Yellow (0%)
- Black (38%)



- Cyan (46%)
- Magenta (62%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8357, 16.2376, 34.3838 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 20.8357, 16.2376, 34.3838 by changing the saturation by 10% instead.

■ 20.8357, 16.2376,
34.3838

■ 20.8357, 16.2376,
34.3838

249.1523,
230.7397, 336.6613

■ 13.1157, 9.6924,
22.9089

■ 44.3073, 37.0102,
67.6708

■ 7.5858, 5.1955,
14.3216

■ 60.7896, 52.0064,
90.3199

■ 3.8807, 2.3624,
8.2034

■ 80.9234, 70.5885,
117.5308

■ 1.6348, 0.8065,
4.1357

■ 105.0741, 93.1407,
149.7220

■ 0.4150, 0.0000,
1.7001

133.6069,
120.0476, 187.3122

■ 0.0000, 0.0000,
0.3608

166.8874,

■ 0.0000, 0.0000,

151.6934, 230.7197

0.0000

205.2807,
188.4627, 280.3632

■ 20.8357, 16.2376,
34.3838

■ 20.8357, 16.2376,
34.3838

■ 18.7130, 13.2145,
33.9124

■ 23.2888, 19.8619,
34.9543

■ 16.9011, 10.7554,
33.5333

■ 26.0871, 24.1176,
35.6283

■ 15.3806, 8.8219,
33.2402

■ 29.2467, 29.0354,
36.4110

■ 14.1291, 7.3701,
33.0259

■ 32.7817, 34.6433,
37.3071

■ 13.1204, 6.3485,
32.8819

■ 36.7059, 40.9675,
38.3210

■ 12.2989, 5.6468,
32.7898

■ 41.0320, 48.0332,
39.4568

■ 12.2391, 5.5966,
32.7832

■ 45.7723, 55.8639,
40.7184

■ 50.9385, 64.4825,
42.1097

■ 56.5417, 73.9105,
43.6341

Harmonies

Analogous

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



17.4347, 16.2376, 43.1610



20.8357, 16.2376, 34.3838



22.9114, 16.2376, 22.4850

Triad

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



20.8357, 16.2376, 34.3838



17.0308, 16.2376, 4.8125



9.8646, 16.2376, 23.7704

Complementary

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



20.8357, 16.2376, 34.3838



21.5410, 29.0116, 15.5314

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.



9.7902, 16.2376, 13.6135



20.8357, 16.2376, 34.3838



13.5914, 16.2376, 4.9344

Square

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



20.8357, 16.2376, 34.3838



20.5019, 16.2376, 7.0760



11.0562, 16.2376, 7.5120



11.2777, 16.2376, 35.6244

Rectangle

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



20.8357, 16.2376, 34.3838



23.0882, 16.2376, 15.5466



11.0562, 16.2376, 7.5120



9.6905, 16.2376, 20.0002

Sweetspot

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



20.8363, 16.2383, 34.3842



51.3224, 49.9236, 65.6747



17.3185, 17.6011, 34.8326



11.4121, 11.0079, 14.7669



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.8363, 16.2383, 34.3842



34.4587, 24.6624, 61.6876



23.6028, 17.7630, 30.0638



6.6960, 6.6472, 8.3368



9.8446, 4.5041, 26.2577



0.2181, 0.1022, 0.4715

Inverse Universe

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



21.4362, 16.8964, 18.6549



35.9175, 26.1555, 28.2714



19.6701, 27.9885, 18.0929



6.7169, 6.6797, 7.3601



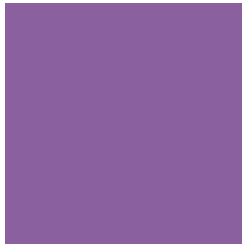
11.7875, 6.0196, 3.1319



0.2290, 0.1149, 0.1518

Previews

White Background



This preview shows how the XYZ color 20.8357, 16.2376, 34.3838 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 20.8357, 16.2376, 34.3838 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 20.8357, 16.2376, 34.3838

Background



This preview shows how black text looks on a background with the XYZ color 20.8357, 16.2376, 34.3838.



This preview shows how white text looks on a background with the XYZ color 20.8357, 16.2376,

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

20.8357, 16.2376, 34.3838

Protanopia

17.2453, 16.3295, 40.2732

Deuteranopia

16.7464, 16.3881, 33.2909



Tritanopia

17.4489, 16.1434, 18.1159

Trichromacy



Original Color

20.8357, 16.2376, 34.3838

Protanomaly

18.2412, 16.1075, 38.2240

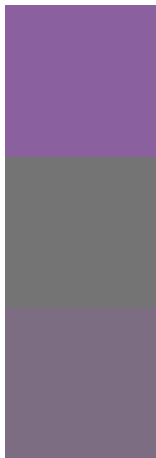
Deuteranomaly

17.9648, 16.2191, 33.6362

Tritanomaly

18.6122, 16.1828, 23.2617

Monochromacy



Original Color

20.8357, 16.2376, 34.3838

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.8776, 16.8611, 23.7850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8357, 16.2376, 34.3838 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(138, 96, 158)` looks like.

```
.text, #text, p{  
    color:rgb(138, 96, 158)  
}
```

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(138, 96, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 96, 158) }
```

Border

The CSS property to change the border of an element to XYZ 20.8357, 16.2376, 34.3838 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(138, 96, 158) }
```


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

```
.border{ border-color:rgb(138, 96, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 96, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 96, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 96, 158);  
box-shadow:4px 4px 4px 4px rgb(138, 96,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8357, 16.2376, 34.3838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 96, 158) }
```

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

```
.background{ background-color: rgb(138, 96,  
158) }
```

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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