

Converting Colors

XYZ(16.2499, 13.2379, 16.2092)

Have a look what the booklet for
XYZ(16.2499, 13.2379, 16.2092)
contains.

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Color

**XYZ(16.2417, 13.2345,
16.1665)**

Conversions

Conversions Part 1

Format	Color
Hex	87586D
RGB	135, 88, 109
RGB Percent	53%, 35%, 43%
CMY	0.4706, 0.6549, 0.5725
CMYK	0.00, 0.35, 0.19, 0.47
HSL	333°, 21%, 44%
HSV	333°, 35%, 53%
XYZ	16.2417, 13.2345, 16.1665
YIQ	104.4470, 21.2710, 16.4950

Conversions

Conversions Part 2

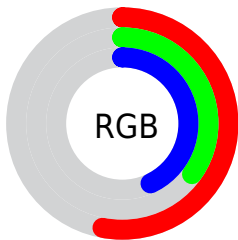
Format	Color
R_{YB}	135, 88, 109
Decimal	8869997
CIE _{Lab}	43.11, 22.66, -3.98
CIE _{LCh}	43, 23.004, 350.029
Yxy	13.2345, 0.3558, 0.2900
Android (android.graphics.Color)	4287060077 (0xFF87586D)
YUV	104.4470, 2.2446, 26.7950
Hunter-Lab	36.3793, 16.0285, -0.8823

Details

The XYZ color **16.2417, 13.2345, 16.1665** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **15.7263, 20.6179, 19.0713**, and the grayscale version is **13.2685, 13.9595, 15.2019**.

A 20% lighter version of the original color is **36.5640, 31.8221, 37.4729**, and **5.3186, 3.8185, 5.0141** is the 20% darker color. If you saturate the color by 10%, you get **14.8494, 11.0661, 13.8024**, and if you desaturate by 10%, it is **17.8742, 15.8283, 18.7795**.

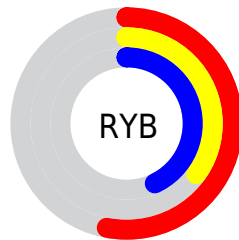
Distribution



Red (53%)

Green (35%)

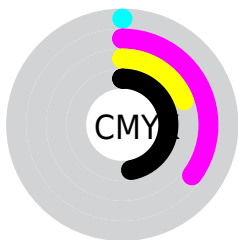
Blue (43%)



Red (53%)

Yellow (35%)

Blue (43%)

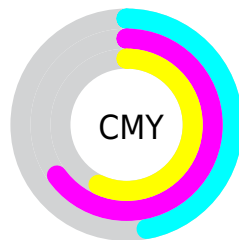


Cyan (0%)

Magenta (35%)

Yellow (19%)

Black (47%)



Cyan (47%)

Magenta (65%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.2417, 13.2345, 16.1665 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 16.2417, 13.2345, 16.1665 by changing the saturation by 10% instead.


 16.2417, 13.2345,
16.1665


 16.2417, 13.2345,
16.1665


224.0062,
212.4151, 242.2014


 9.7873, 7.5902,
9.4864


 36.5714, 31.7244,
37.6578


 5.3193, 3.8339,
4.9587

 51.1773, 45.3389,
53.3061


 2.4725, 1.5811,
2.1647

 69.2312, 62.3788,
72.7810

 0.8814, 0.3448,
0.6539

 91.0983, 83.2287,
96.5008

 0.0000, 0.0000,
0.0000

 117.1440,
108.2729, 124.8842

147.7336,

137.8957, 158.3498

183.2326,
172.4817, 197.3160

■ 16.2417, 13.2345,
16.1665

■ 16.2417, 13.2345,
16.1665

■ 14.8494, 11.0661,
13.8024

■ 17.8742, 15.8283,
18.7795

■ 13.6839, 9.2981,
11.6781

■ 19.7570, 18.8669,
21.6485

■ 12.7323, 7.9060,
9.7853


■ 21.9011, 22.3707,
24.7810


■ 11.9797, 6.8615,
8.1143


■ 24.3163, 26.3585,
28.1842


■ 11.4094, 6.1326,
6.6549


■ 27.0121, 30.8477,
31.8648

 10.9985, 5.6753,
5.3946

 29.9974, 35.8551,
35.8294

 10.8157, 5.4805,
4.8065

 33.2808, 41.3967,
40.0842

 36.8704, 47.4877,
44.6354

 40.7740, 54.1427,
49.4887

Harmonies

Analogous

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



15.3748, 13.2345, 21.6310



16.2417, 13.2345, 16.1665



16.0591, 13.2345, 11.3200

Triad

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



16.2417, 13.2345, 16.1665



11.4478, 13.2345, 7.0495



10.5148, 13.2345, 23.2558

Complementary

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



16.2417, 13.2345, 16.1665



15.7263, 20.6179, 19.0713

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.



9.6419, 13.2345, 18.0169



16.2417, 13.2345, 16.1665



10.1445, 13.2345, 9.0069

Square

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



16.2417, 13.2345, 16.1665



13.1782, 13.2345, 6.7782



9.5130, 13.2345, 12.7858



11.9982, 13.2345, 26.3145

Rectangle

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



16.2417, 13.2345, 16.1665



15.3723, 13.2345, 9.0014



9.5130, 13.2345, 12.7858



10.1464, 13.2345, 21.6408

Sweetspot

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



16.2421, 13.2351, 16.1668



37.0835, 36.5604, 41.2827



14.7834, 12.2968, 24.5161



8.4807, 8.2916, 9.4030



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.



16.2421, 13.2351, 16.1668



27.0275, 20.4882, 25.4767



15.4394, 13.2277, 10.9728



4.7526, 4.7207, 5.3096



9.9799, 5.0563, 4.4668



0.0382, 0.0190, 0.0344

Inverse Universe

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



16.2421, 13.2351, 16.1668



27.0275, 20.4882, 25.4767



16.7378, 20.5036, 25.9971



4.7526, 4.7207, 5.3096



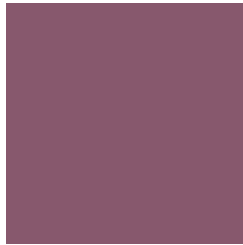
9.9799, 5.0563, 4.4668



0.0382, 0.0190, 0.0344

Previews

White Background



This preview shows how the XYZ color 16.2417, 13.2345, 16.1665 looks on a white background.

Color Contrast Check

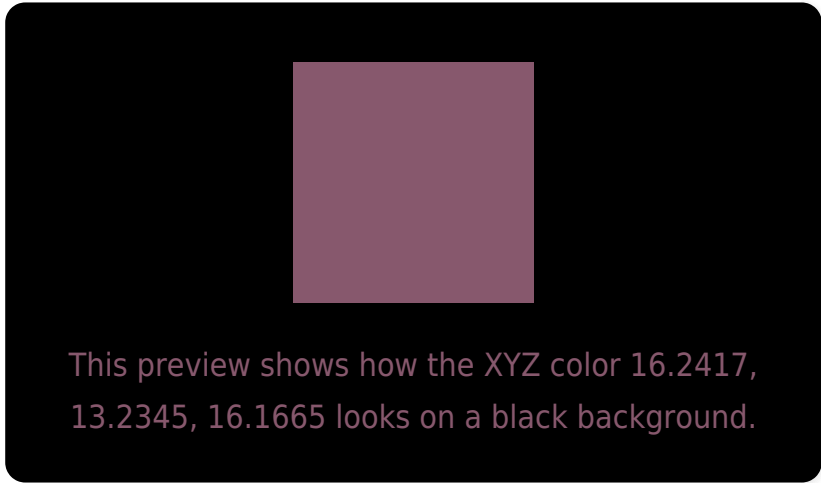
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 16.2417, 13.2345, 16.1665

Background



This preview shows how black text looks on a background with the XYZ color 16.2417, 13.2345, 16.1665.



This preview shows how white text looks on a background with the XYZ color 16.2417, 13.2345,

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

16.2417, 13.2345, 16.1665

Protanopia

13.0102, 13.2444, 18.7003

Deuteranopia

13.5461, 13.3002, 15.7632



Tritanopia

15.6453, 13.2437, 13.0410

Trichromacy



Original Color

16.2417, 13.2345, 16.1665

Protanomaly

13.9022, 13.0254, 17.7010

Deuteranomaly

14.4067, 13.1891, 15.9738

Tritanomaly

15.7529, 13.1527, 14.0204

Monochromacy



Original Color

16.2417, 13.2345, 16.1665

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.0394, 13.4208, 15.4862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2417, 13.2345, 16.1665 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, 88, 109)` looks like.

```
.text, #text, p{  
    color:rgb(135, 88, 109)  
}
```

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, 88, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 88, 109) }
```

Border

The CSS property to change the border of an element to XYZ 16.2417, 13.2345, 16.1665 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, 88, 109) }
```


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

```
.border{ border-color:rgb(135, 88, 109) }
```

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

Here you see how a box with a 4 pixel rgb(135, 88, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 88, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 88, 109);  
box-shadow:4px 4px 4px 4px rgb(135, 88,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2417, 13.2345, 16.1665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 88, 109) }
```

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

```
.background{ background-color: rgb(135, 88,  
109) }
```

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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