

Converting Colors

XYZ(16.8470, 13.3093, 21.4197)

Have a look what the booklet for
XYZ(16.8470, 13.3093, 21.4197)
contains.

XYZ(16.8470, 13.3093, 21.4197)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.8470, 13.3093,
21.4197)**

Conversions

Conversions Part 1

Format	Color
Hex	85577E
RGB	133, 87, 126
RGB Percent	52%, 34%, 49%
CMY	0.4784, 0.6588, 0.5059
CMYK	0.00, 0.35, 0.05, 0.48
HSL	309°, 21%, 43%
HSV	309°, 35%, 52%
XYZ	16.8470, 13.3093, 21.4197
YIQ	105.2000, 14.8970, 21.8810

Conversions

Conversions Part 2

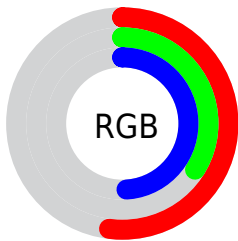
Format	Color
R_{YB}	133, 87, 126
Decimal	8738686
CIE _{Lab}	43.23, 25.58, -14.21
CIE _{LCh}	43, 29.262, 330.958
Yxy	13.3093, 0.3266, 0.2581
Android (android.graphics.Color)	4286928766 (0xFF85577E)
YUV	105.2000, 10.2544, 24.3806
Hunter-Lab	36.4819, 18.5863, -9.2737

Details

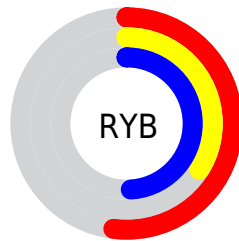
The XYZ color **16.8470, 13.3093, 21.4197** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **14.3390, 19.6100, 13.6199**, and the grayscale version is **13.4521, 14.1526, 15.4122**.

A 20% lighter version of the original color is **37.7187, 31.9964, 46.8358**, and **5.5780, 3.8472, 7.4698** is the 20% darker color. If you saturate the color by 10%, you get **15.7386, 11.2993, 20.4124**, and if you desaturate by 10%, it is **18.1573, 15.7184, 22.5076**.

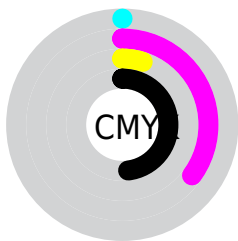
Distribution



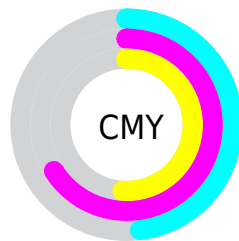
- Red (52%)
- Green (34%)
- Blue (49%)



- Red (52%)
- Yellow (34%)
- Blue (49%)



- Cyan (0%)
- Magenta (35%)
- Yellow (5%)
- Black (48%)



- Cyan (48%)
- Magenta (66%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8470, 13.3093, 21.4197 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 16.8470, 13.3093, 21.4197 by changing the saturation by 10% instead.

■ 16.8470, 13.3093,
21.4197

■ 16.8470, 13.3093,
21.4197

227.4626,
212.8905, 272.3546

■ 10.2201, 7.6419,
13.2369

■ 37.6082, 31.8583,
46.6748

■ 5.6085, 3.8667,
7.4592

■ 52.4732, 45.5088,
64.5842

■ 2.6469, 1.5993,
3.6682

■ 70.8150, 62.5890,
86.5729

■ 0.9699, 0.3571,
1.4451

■ 92.9989, 83.4833,
113.0594

■ 0.0000, 0.0000,
0.1765

■ 119.3903,
108.5763, 144.4623

■ 0.0000, 0.0000,
0.0000

150.3544,

138.2522, 181.2001

186.2567,
172.8955, 223.6913

■ 16.8470, 13.3093,
21.4197

■ 16.8470, 13.3093,
21.4197

■ 15.7386, 11.2993,
20.4124

■ 18.1573, 15.7184,
22.5076

■ 14.8200, 9.6647,
19.4812

■ 19.6782, 18.5450,
23.6787

■ 14.0795, 8.3822,
18.6223

■ 21.4198, 21.8084,
24.9365

■ 13.5037, 7.4252,
17.8311

■ 23.3907, 25.5263,
26.2841

■ 13.0775, 6.7630,
17.1025

■ 25.5994, 29.7153,
27.7242

■ 12.7803, 6.3546,
16.4295

■ 28.0538, 34.3914,
29.2596

■ 12.6401, 6.1735,
16.0773

■ 30.7614, 39.5695,
30.8930

■ 33.7295, 45.2642,
32.6267

■ 36.9649, 51.4893,
34.4632

Harmonies

Analogous

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



15.0223, 13.3093, 28.0153



16.8470, 13.3093, 21.4197



17.5170, 13.3093, 14.2843

Triad

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



16.8470, 13.3093, 21.4197



12.5775, 13.3093, 5.2633



9.2744, 13.3093, 21.8913

Complementary

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



16.8470, 13.3093, 21.4197



14.3390, 19.6100, 13.6199

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.



8.7801, 13.3093, 14.7009



16.8470, 13.3093, 21.4197



10.5417, 13.3093, 6.2184

Square

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



16.8470, 13.3093, 21.4197



14.8815, 13.3093, 6.1007



9.2154, 13.3093, 9.2461



10.6537, 13.3093, 28.3398

Rectangle

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



16.8470, 13.3093, 21.4197



17.1627, 13.3093, 10.4766



9.2154, 13.3093, 9.2461



9.0072, 13.3093, 19.4200

Sweetspot

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



16.8474, 13.3099, 21.4200



36.5486, 35.6582, 43.3651



12.2483, 10.8849, 23.6461



8.1517, 7.8793, 9.7099



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.8474, 13.3099, 21.4200



28.4841, 20.7743, 36.8386



15.5348, 12.7849, 14.5079



4.8282, 4.7510, 5.7079



12.0421, 5.8812, 15.3260



0.0438, 0.0212, 0.0639

Inverse Universe

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



16.8474, 13.3099, 21.4200



28.4841, 20.7743, 36.8386



15.5236, 20.0838, 19.8577



4.8282, 4.7510, 5.7079



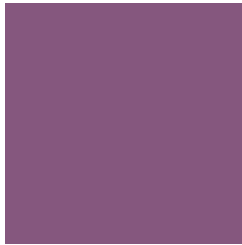
12.0421, 5.8812, 15.3260



0.0438, 0.0212, 0.0639

Previews

White Background



This preview shows how the XYZ color 16.8470, 13.3093, 21.4197 looks on a white background.

Color Contrast Check

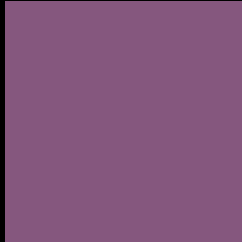
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8470, 13.3093, 21.4197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

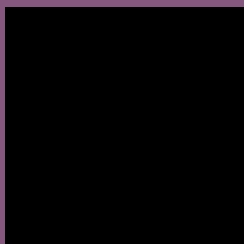
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8470, 13.3093, 21.4197

Background



This preview shows how black text looks on a background with the XYZ color 16.8470, 13.3093, 21.4197.



This preview shows how white text looks on a background with the XYZ color 16.8470, 13.3093,

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

16.8470, 13.3093, 21.4197

Protanopia

13.6118, 13.4121, 25.1639

Deuteranopia

13.6748, 13.3944, 20.9334



Tritanopia

15.2852, 13.3010, 13.5661

Trichromacy



Original Color

16.8470, 13.3093, 21.4197

Protanomaly

14.5321, 13.2198, 23.6156

Deuteranomaly

14.6039, 13.1758, 21.1755

Tritanomaly

15.7766, 13.2418, 16.1924

Monochromacy



Original Color

16.8470, 13.3093, 21.4197

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.4185, 13.5725, 17.4826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8470, 13.3093, 21.4197 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, 87, 126)` looks like.

```
.text, #text, p{  
    color:rgb(133, 87, 126)  
}
```

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, 87, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 87, 126) }
```

Border

The CSS property to change the border of an element to XYZ 16.8470, 13.3093, 21.4197 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, 87, 126) }
```


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

```
.border{ border-color:rgb(133, 87, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 87, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 87, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 87, 126); box-shadow:4px 4px 4px 4px rgb(133, 87, 126) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8470, 13.3093, 21.4197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 87, 126) }
```

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

```
.background{ background-color: rgb(133, 87,  
126) }
```

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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