

Converting Colors

XYZ(16.5987, 12.2000, 21.5573)

Have a look what the booklet for
XYZ(16.5987, 12.2000, 21.5573)
contains.

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Color

**XYZ(16.5468, 12.1320,
21.5483)**

Conversions

Conversions Part 1

Format	Color
Hex	874E7F
RGB	135, 78, 127
RGB Percent	53%, 31%, 50%
CMY	0.4706, 0.6941, 0.5020
CMYK	0.00, 0.42, 0.06, 0.47
HSL	308°, 27%, 42%
HSV	308°, 42%, 53%
XYZ	16.5468, 12.1320, 21.5483
YIQ	100.6290, 18.2430, 27.3230

Conversions

Conversions Part 2

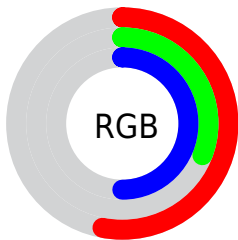
Format	Color
R_{YB}	135, 78, 127
Decimal	8867455
CIE _{Lab}	41.43, 31.66, -17.54
CIE _{LCh}	41, 36.199, 331.014
Yxy	12.1320, 0.3294, 0.2415
Android (android.graphics.Color)	4287057535 (0xFF874E7F)
YUV	100.6290, 13.0009, 30.1434
Hunter-Lab	34.8310, 23.8438, -12.2982

Details

The XYZ color **16.5468, 12.1320, 21.5483** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **13.4861, 19.6199, 11.8811**, and the grayscale version is **12.2389, 12.8762, 14.0222**.

A 20% lighter version of the original color is **37.0747, 29.8146, 46.9808**, and **5.4956, 3.3634, 7.5673** is the 20% darker color. If you saturate the color by 10%, you get **15.5621, 10.3582, 20.6166**, and if you desaturate by 10%, it is **17.7315, 14.3017, 22.5584**.

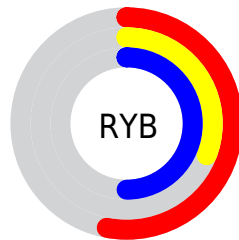
Distribution



Red (53%)

Green (31%)

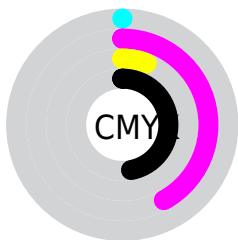
Blue (50%)



Red (53%)

Yellow (31%)

Blue (50%)

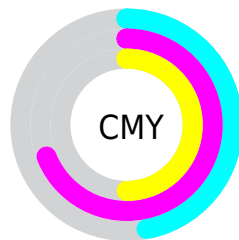


Cyan (0%)

Magenta (42%)

Yellow (6%)

Black (47%)



Cyan (47%)

Magenta (69%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5468, 12.1320, 21.5483 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 16.5468, 12.1320, 21.5483 by changing the saturation by 10% instead.

■ 16.5468, 12.1320,
21.5483

■ 16.5468, 12.1320,
21.5483

225.7545,
205.2772, 273.0543

■ 10.0052, 6.8336,
13.3302

■ 37.0947, 29.7353,
46.8909

■ 5.4647, 3.3583,
7.5230

■ 51.8318, 42.8090,
64.8525

■ 2.5599, 1.3215,
3.7079

■ 70.0314, 59.2433,
86.8990

■ 0.9256, 0.1578,
1.4665

■ 92.0588, 79.4226,
113.4490

■ 0.0000, 0.0000,
0.1928

■ 118.2795,
103.7312, 144.9209

■ 0.0000, 0.0000,
0.0000

149.0588,

132.5536, 181.7335

184.7620,
166.2741, 224.3051

■ 16.5468, 12.1320,
21.5483

■ 16.5468, 12.1320,
21.5483

■ 15.5621, 10.3582,
20.6166

■ 17.7315, 14.3017,
22.5584

■ 14.7641, 8.9542,
19.7584

■ 19.1262, 16.8879,
23.6499

■ 14.1397, 7.8939,
18.9694

■ 20.7416, 19.9115,
24.8265

■ 13.6736, 7.1464,
18.2444

■ 22.5872, 23.3919,
26.0915

■ 13.3477, 6.6758,
17.5774

■ 24.6721, 27.3472,
27.4480

■ 13.1472, 6.4131,
17.0839

■ 27.0048, 31.7942,
28.8988

■ 29.5935, 36.7494,
30.4468

■ 32.4459, 42.2282,
32.0946

■ 35.5695, 48.2454,
33.8447

Harmonies

Analogous

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



14.3392, 12.1320, 29.9246



16.5468, 12.1320, 21.5483



17.3651, 12.1320, 12.9548

Triad

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



16.5468, 12.1320, 21.5483



11.4418, 12.1320, 3.3734



7.7160, 12.1320, 22.1699

Complementary

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



16.5468, 12.1320, 21.5483



13.4861, 19.6199, 11.8811

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.



7.1764, 12.1320, 13.4679



16.5468, 12.1320, 21.5483



9.1159, 12.1320, 4.2767

Square

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



16.5468, 12.1320, 21.5483



14.1605, 12.1320, 4.1569



7.6477, 12.1320, 7.3590



9.2491, 12.1320, 30.3693

Rectangle

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



16.5468, 12.1320, 21.5483



16.9278, 12.1320, 8.6654



7.6477, 12.1320, 7.3590



7.4239, 12.1320, 19.1165

Sweetspot

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



16.5472, 12.1325, 21.5486



36.8146, 35.0389, 44.2260



10.8992, 9.1582, 24.1151



8.3883, 7.8565, 10.1439



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.



16.5472, 12.1325, 21.5486



27.8810, 18.5714, 36.9326



14.9639, 11.4992, 13.2108



4.8305, 4.7519, 5.7199



12.1269, 5.9151, 15.7725



0.0439, 0.0213, 0.0647

Inverse Universe

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



16.5472, 12.1325, 21.5486



27.8810, 18.5714, 36.9326



14.8493, 20.1651, 19.0595



4.8305, 4.7519, 5.7199



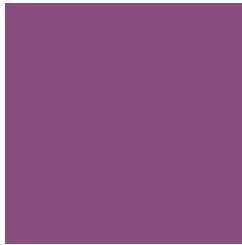
12.1269, 5.9151, 15.7725



0.0439, 0.0213, 0.0647

Previews

White Background



This preview shows how the XYZ color 16.5468, 12.1320, 21.5483 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 16.5468, 12.1320, 21.5483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

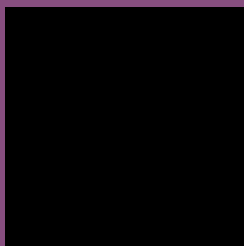
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.5468, 12.1320, 21.5483

Background



This preview shows how black text looks on a background with the XYZ color 16.5468, 12.1320, 21.5483.



This preview shows how white text looks on a background with the XYZ color 16.5468, 12.1320,

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

16.5468, 12.1320, 21.5483

Protanopia

12.7386, 12.3573, 26.9131

Deuteranopia

12.4371, 12.2007, 20.7682



Tritanopia

14.5403, 12.0950, 11.6934

Trichromacy



Original Color

16.5468, 12.1320, 21.5483

Protanomaly

13.6936, 11.9735, 24.8819

Deuteranomaly

13.5807, 11.8766, 20.9787

Tritanomaly

15.0828, 11.9600, 14.8782

Monochromacy



Original Color

16.5468, 12.1320, 21.5483

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.5389, 12.4652, 16.4443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5468, 12.1320, 21.5483 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, 78, 127)` looks like.

```
.text, #text, p{  
    color:rgb(135, 78, 127)  
}
```

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, 78, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 78, 127) }
```

Border

The CSS property to change the border of an element to XYZ 16.5468, 12.1320, 21.5483 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, 78, 127) }
```


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

```
.border{ border-color:rgb(135, 78, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 78, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 78, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 78, 127); box-shadow:4px 4px 4px 4px rgb(135, 78, 127) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5468, 12.1320, 21.5483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 78, 127) }
```

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

```
.background{ background-color: rgb(135, 78,  
127) }
```

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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