

Converting Colors

XYZ(16.9021, 12.6705, 23.7456)

Have a look what the booklet for
XYZ(16.9021, 12.6705, 23.7456)
contains.

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Color

**XYZ(16.9238, 12.7146,
23.7525)**

Conversions

Conversions Part 1

Format	Color
Hex	855285
RGB	133, 82, 133
RGB Percent	52%, 32%, 52%
CMY	0.4784, 0.6784, 0.4784
CMYK	0.00, 0.38, 0.00, 0.48
HSL	300°, 24%, 42%
HSV	300°, 38%, 52%
XYZ	16.9238, 12.7146, 23.7525
YIQ	103.0630, 14.0250, 26.6730

Conversions

Conversions Part 2

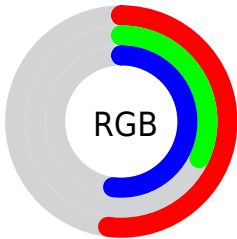
Format	Color
R_{YB}	133, 82, 133
Decimal	8737413
CIE _{Lab}	42.33, 29.87, -19.83
CIE _{LCh}	42, 35.851, 326.423
Yxy	12.7146, 0.3170, 0.2381
Android (android.graphics.Color)	4286927493 (0xFF855285)
YUV	103.0630, 14.7589, 26.2547
Hunter-Lab	35.6575, 22.3191, -14.5345

Details

The XYZ color **16.9238, 12.7146, 23.7525** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **13.3907, 19.1785, 10.9794**, and the grayscale version is **12.8688, 13.5389, 14.7439**.

A 20% lighter version of the original color is **37.7440, 30.8850, 50.4265**, and **5.6420, 3.6204, 8.5851** is the 20% darker color. If you saturate the color by 10%, you get **16.0166, 10.8999, 23.4502**, and if you desaturate by 10%, it is **18.0263, 14.9193, 24.1201**.

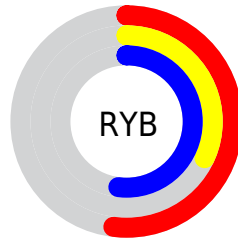
Distribution



Red (52%)

Green (32%)

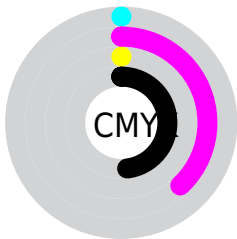
Blue (52%)



Red (52%)

Yellow (32%)

Blue (52%)

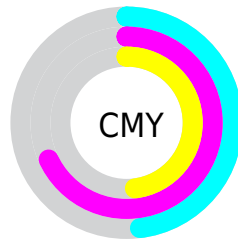


Cyan (0%)

Magenta (38%)

Yellow (0%)

Black (48%)



Cyan (48%)

Magenta (68%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9238, 12.7146, 23.7525 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 16.9238, 12.7146, 23.7525 by changing the saturation by 10% instead.

■ 16.9238, 12.7146,
23.7525

■ 16.9238, 12.7146,
23.7525

227.8977,
209.0804, 284.8130

■ 10.2751, 7.2323,
14.9396

■ 37.7394, 30.7901,
50.5648

■ 5.6454, 3.6078,
8.6309

■ 52.6370, 44.1521,
69.4012

■ 2.6693, 1.4567,
4.4077

■ 71.0149, 60.9094,
92.4160

■ 0.9814, 0.2579,
1.8516

■ 93.2386, 81.4465,
120.0276

■ 0.0000, 0.0000,
0.4617

■ 119.6734,
106.1478, 152.6545

■ 0.0000, 0.0000,
0.0000

150.6846,

135.3976, 190.7154

186.6376,
169.5803, 234.6287

■ 16.9238, 12.7146,
23.7525

■ 16.9238, 12.7146,
23.7525

■ 16.0166, 10.8999,
23.4502

■ 18.0263, 14.9193,
24.1201

■ 15.2921, 9.4509,
23.2087

■ 19.3331, 17.5329,
24.5558

■ 14.7383, 8.3433,
23.0240

■ 20.8544, 20.5755,
25.0629

■ 14.3412, 7.5492,
22.8917

■ 22.5991, 24.0649,
25.6445


■ 14.0847, 7.0361,
22.8061


■ 24.5758, 28.0183,
26.3034


 13.9306, 6.7279,
22.7547

 26.7925, 32.4517,
27.0424

 13.9066, 6.6801,
22.7467

 29.2569, 37.3805,
27.8639

 31.9764, 42.8194,
28.7704

 34.9579, 48.7824,
29.7642

Harmonies

Analogous

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



14.5344, 12.7146, 31.7857



16.9238, 12.7146, 23.7525



18.0135, 12.7146, 14.7883

Triad

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



16.9238, 12.7146, 23.7525



12.4102, 12.7146, 3.7013



8.0213, 12.7146, 21.5328

Complementary

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



16.9238, 12.7146, 23.7525



13.3907, 19.1785, 10.9794

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.



7.6248, 12.7146, 12.9408



16.9238, 12.7146, 23.7525



9.9273, 12.7146, 4.3677

Square

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



16.9238, 12.7146, 23.7525



15.1753, 12.7146, 4.8098



8.2692, 12.7146, 7.1642



9.4453, 12.7146, 30.2052

Rectangle

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



16.9238, 12.7146, 23.7525



17.7526, 12.7146, 10.0658



8.2692, 12.7146, 7.1642



7.7735, 12.7146, 18.4660

Sweetspot

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



16.9242, 12.7152, 23.7528



36.2283, 34.6117, 44.5096



10.7312, 9.5225, 23.4631



8.0971, 7.6680, 10.0060



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.



16.9242, 12.7152, 23.7528



28.8741, 19.9033, 42.0581



15.3709, 12.0938, 15.5730



4.8579, 4.7628, 5.8640



13.2462, 6.3628, 21.6664



0.0459, 0.0220, 0.0751

Inverse Universe

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



16.9242, 12.7152, 23.7528



28.8741, 19.9033, 42.0581



14.5479, 19.6414, 17.0732



4.8579, 4.7628, 5.8640



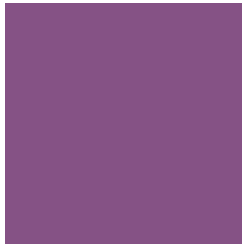
13.2462, 6.3628, 21.6664



0.0459, 0.0220, 0.0751

Previews

White Background



This preview shows how the XYZ color 16.9238, 12.7146, 23.7525 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 16.9238, 12.7146, 23.7525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

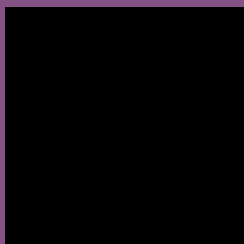
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.9238, 12.7146, 23.7525

Background



This preview shows how black text looks on a background with the XYZ color 16.9238, 12.7146, 23.7525.



This preview shows how white text looks on a background with the XYZ color 16.9238, 12.7146,

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

16.9238, 12.7146, 23.7525

Protanopia

13.3965, 12.9303, 28.9839

Deuteranopia

13.1072, 12.9151, 22.9211



Tritanopia

14.7159, 12.7646, 12.9975

Trichromacy



Original Color

16.9238, 12.7146, 23.7525

Protanomaly

14.2016, 12.5766, 26.8783

Deuteranomaly

14.1954, 12.6555, 23.1673

Tritanomaly

15.4286, 12.6880, 16.3877

Monochromacy



Original Color

16.9238, 12.7146, 23.7525

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.0689, 12.9767, 17.6828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9238, 12.7146, 23.7525 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, 82, 133)` looks like.

```
.text, #text, p{  
    color:rgb(133, 82, 133)  
}
```

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, 82, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 82, 133) }
```

Border

The CSS property to change the border of an element to XYZ 16.9238, 12.7146, 23.7525 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, 82, 133) }
```


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

```
.border{ border-color:rgb(133, 82, 133) }
```

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

Here you see how a box with a 4 pixel rgb(133, 82, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 82, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 82, 133);  
box-shadow:4px 4px 4px 4px rgb(133, 82,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9238, 12.7146, 23.7525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 82, 133) }
```

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

```
.background{ background-color: rgb(133, 82,  
133) }
```

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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