

Converting Colors

XYZ(16.9902, 13.8509, 22.9141)

Have a look what the booklet for
XYZ(16.9902, 13.8509, 22.9141)
contains.

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Color

**XYZ(16.9763, 13.8397,
22.8957)**

Conversions

Conversions Part 1

Format	Color
Hex	825B82
RGB	130, 91, 130
RGB Percent	51%, 36%, 51%
CMY	0.4902, 0.6431, 0.4902
CMYK	0.00, 0.30, 0.00, 0.49
HSL	300°, 18%, 43%
HSV	300°, 30%, 51%
XYZ	16.9763, 13.8397, 22.8957
YIQ	107.1070, 10.7250, 20.3970

Conversions

Conversions Part 2

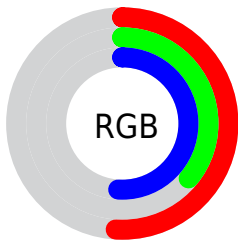
Format	Color
R_{YB}	130, 91, 130
Decimal	8543106
CIE _{Lab}	44.00, 22.95, -15.48
CIE _{LCh}	44, 27.684, 326.004
Y _{xy}	13.8397, 0.3161, 0.2577
Android (android.graphics.Color)	4286733186 (0xFF825B82)
YUV	107.1070, 11.2862, 20.0772
Hunter-Lab	37.2017, 16.3520, -10.4486

Details

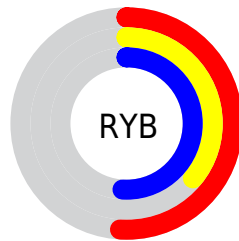
The XYZ color **16.9763, 13.8397, 22.8957** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **14.1859, 18.9452, 12.8074**, and the grayscale version is **13.9728, 14.7004, 16.0088**.

A 20% lighter version of the original color is **37.9874, 32.9552, 49.1586**, and **5.6942, 4.1009, 8.2760** is the 20% darker color. If you saturate the color by 10%, you get **15.9600, 11.8068, 22.5570**, and if you desaturate by 10%, it is **18.1860, 16.2589, 23.2991**.

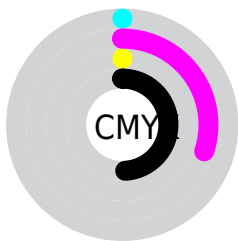
Distribution



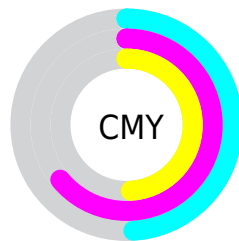
- Red (51%)
- Green (36%)
- Blue (51%)



- Red (51%)
- Yellow (36%)
- Blue (51%)



- Cyan (0%)
- Magenta (30%)
- Yellow (0%)
- Black (49%)



- Cyan (49%)
- Magenta (64%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9763, 13.8397, 22.8957 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 16.9763, 13.8397, 22.8957 by changing the saturation by 10% instead.

■ 16.9763, 13.8397,
22.8957

■ 16.9763, 13.8397,
22.8957

228.1947,
216.2313, 280.2934

■ 10.3128, 8.0093,
14.3119

■ 37.8289, 32.8043,
49.1430

■ 5.6707, 4.1009,
8.1967

■ 52.7488, 46.7073,
67.6437

■ 2.6846, 1.7301,
4.1315

■ 71.1515, 64.0699,
90.2870

■ 0.9893, 0.4431,
1.6978

■ 93.4023, 85.2766,
117.4916

■ 0.0000, 0.0000,
0.3592

■ 119.8667,
110.7116, 149.6760

■ 0.0000, 0.0000,
0.0000

150.9100,

140.7595, 187.2588

186.8975,
175.8046, 230.6584

■ 16.9763, 13.8397,
22.8957

■ 16.9763, 13.8397,
22.8957

■ 15.9600, 11.8068,
22.5570

■ 18.1860, 16.2589,
23.2991

■ 15.1258, 10.1385,
22.2789

■ 19.5971, 19.0810,
23.7695

■ 14.4635, 8.8138,
22.0581

■ 21.2185, 22.3238,
24.3101

■ 13.9610, 7.8088,
21.8905

■ 23.0584, 26.0036,
24.9234

■ 13.6048, 7.0965,
21.7717

■ 25.1245, 30.1358,
25.6122

■ 13.3793, 6.6455,
21.6965

■ 27.4241, 34.7349,
26.3788

■ 13.2353, 6.3577,
21.6485

■ 29.9642, 39.8151,
27.2255

■ 13.2353, 6.3576,
21.6485

■ 32.7514, 45.3896,
28.1547

■ 35.7923, 51.4713,
29.1683

Harmonies

Analogous

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



15.0945, 13.8397, 28.7664



16.9763, 13.8397, 22.8957



17.8340, 13.8397, 15.9279

Triad

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



16.9763, 13.8397, 22.8957



13.4508, 13.8397, 5.9359



9.7113, 13.8397, 21.0197

Complementary

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



16.9763, 13.8397, 22.8957



14.1859, 18.9452, 12.8074

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.



9.3743, 13.8397, 14.2417



16.9763, 13.8397, 22.8957



11.3878, 13.8397, 6.6017

Square

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



16.9763, 13.8397, 22.8957



15.6602, 13.8397, 7.1000



9.9537, 13.8397, 9.2666



10.9309, 13.8397, 27.4886

Rectangle

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



16.9763, 13.8397, 22.8957



17.6467, 13.8397, 11.9737



9.9537, 13.8397, 9.2666



9.4973, 13.8397, 18.6566

Sweetspot

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



16.9767, 13.8403, 22.8960



34.7245, 34.0287, 41.9304



12.0853, 11.3187, 22.6673



7.7846, 7.5519, 9.4657



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.9767, 13.8403, 22.8960



28.6404, 21.8606, 39.9021



15.7893, 13.3653, 16.6431



4.4982, 4.4124, 5.4279



12.6904, 6.0959, 20.7572



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.9767, 13.8403, 22.8960



28.6404, 21.8606, 39.9021



15.1393, 19.3266, 17.8280



4.4982, 4.4124, 5.4279



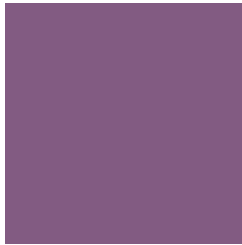
12.6904, 6.0959, 20.7572



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.9763, 13.8397, 22.8957 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 16.9763, 13.8397, 22.8957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

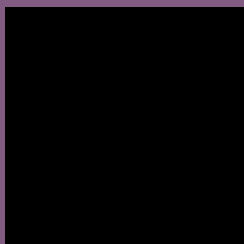
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.9763, 13.8397, 22.8957

Background



This preview shows how black text looks on a background with the XYZ color 16.9763, 13.8397, 22.8957.



This preview shows how white text looks on a background with the XYZ color 16.9763, 13.8397,

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

16.9763, 13.8397, 22.8957

Protanopia

14.1265, 13.9443, 26.3731

Deuteranopia

14.2412, 13.9448, 22.3631



Tritanopia

15.2857, 13.8008, 14.9549

Trichromacy



Original Color

16.9763, 13.8397, 22.8957

Protanomaly

14.9692, 13.8271, 25.1725

Deuteranomaly

15.1402, 13.8311, 22.6406

Tritanomaly

15.7357, 13.7097, 17.4397

Monochromacy



Original Color

16.9763, 13.8397, 22.8957

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.8184, 14.1900, 18.1776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9763, 13.8397, 22.8957 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(130, 91, 130)` looks like.

```
.text, #text, p{  
    color:rgb(130, 91, 130)  
}
```

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(130, 91, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 91, 130) }
```

Border

The CSS property to change the border of an element to XYZ 16.9763, 13.8397, 22.8957 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(130, 91, 130) }
```


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

```
.border{ border-color:rgb(130, 91, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 91, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(130, 91, 130); -webkit-box-shadow:4px 4px 4px 4px rgb(130, 91, 130); box-shadow:4px 4px 4px 4px rgb(130, 91, 130) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9763, 13.8397, 22.8957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 91, 130) }
```

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

```
.background{ background-color: rgb(130, 91,  
130) }
```

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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