

Converting Colors

XYZ(12.9198, 8.8663, 13.3423)

Have a look what the booklet for
XYZ(12.9198, 8.8663, 13.3423)
contains.

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Color

**XYZ(12.9198, 8.8663,
13.3423)**

Conversions

Conversions Part 1

Format	Color
Hex	803D65
RGB	128, 61, 101
RGB Percent	50%, 24%, 40%
CMY	0.4980, 0.7608, 0.6039
CMYK	0.00, 0.52, 0.21, 0.50
HSL	324°, 35%, 37%
HSV	324°, 52%, 50%
XYZ	12.9198, 8.8663, 13.3423
YIQ	85.5930, 27.0920, 26.6440

Conversions

Conversions Part 2

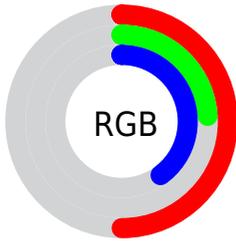
Format	Color
R_{YB}	128, 61, 101
Decimal	8404325
CIE _{Lab}	35.73, 34.13, -10.16
CIE _{LCh}	36, 35.609, 343.427
Yxy	8.8663, 0.3678, 0.2524
Android (android.graphics.Color)	4286594405 (0xFF803D65)
YUV	85.5930, 7.5957, 37.1909
Hunter-Lab	29.7763, 25.3417, -5.7235

Details

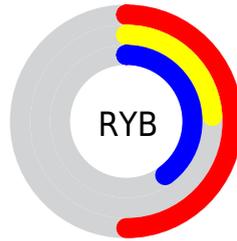
The XYZ color **12.9198, 8.8663, 13.3423** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **11.4056, 17.1353, 11.9397**, and the grayscale version is **8.7400, 9.1952, 10.0136**.

A 20% lighter version of the original color is **30.8804, 23.7032, 32.6534**, and **3.7549, 2.0199, 3.6820** is the 20% darker color. If you saturate the color by 10%, you get **12.0715, 7.5615, 11.8514**, and if you desaturate by 10%, it is **13.9476, 10.5046, 14.9715**.

Distribution



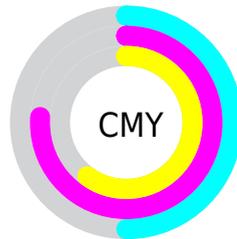
- Red (50%)
- Green (24%)
- Blue (40%)



- Red (50%)
- Yellow (24%)
- Blue (40%)



- Cyan (0%)
- Magenta (52%)
- Yellow (21%)
- Black (50%)



- Cyan (50%)
- Magenta (76%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9198, 8.8663, 13.3423 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 12.9198, 8.8663, 13.3423 by changing the saturation by 10% instead.

 12.9198, 8.8663,
13.3423

 12.9198, 8.8663,
13.3423

204.0510,
182.3773, 224.3843

 7.4500, 4.6541,
7.5312

 30.7622, 23.6401,
32.6175

 3.7939, 2.0458,
3.7130

 43.8654, 34.9704,
46.9187

 1.5862, 0.6339,
1.4693

 60.2438, 49.4422,
64.8871

 0.3834, 0.0000,
0.1949

 80.2628, 67.4399,
86.9410

 0.0000, 0.0000,
0.0000

 104.2876, 89.3478,
113.4992

 132.6837,

115.5505, 144.9801

165.8164,
146.4322, 181.8023

■ 12.9198, 8.8663,
13.3423

■ 12.9198, 8.8663,
13.3423

■ 12.0715, 7.5615,
11.8514

■ 13.9476, 10.5046,
14.9715

■ 11.3898, 6.5651,
10.4929

■ 15.1651, 12.4964,
16.7434

■ 10.8613, 5.8506,
9.2609

■ 16.5825, 14.8617,
18.6631

■ 10.4701, 5.3867,
8.1484

■ 18.2091, 17.6188,
20.7348

■ 10.2211, 5.1168,
7.3623

■ 20.0536, 20.7844,
22.9628

■ 22.1241, 24.3747,
25.3511

■ 24.4284, 28.4046,
27.9034

■ 26.9739, 32.8885,
30.6234

■ 29.7676, 37.8401,
33.5147

Harmonies

Analogous

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



11.5187, 8.8663, 20.7229



12.9198, 8.8663, 13.3423



12.9962, 8.8663, 7.2100

Triad

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



12.9198, 8.8663, 13.3423



7.5239, 8.8663, 2.2089



5.8217, 8.8663, 19.9847

Complementary

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



12.9198, 8.8663, 13.3423



11.4056, 17.1353, 11.9397

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.



5.0783, 8.8663, 12.5957



12.9198, 8.8663, 13.3423



5.9451, 8.8663, 3.4555

Square

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



12.9198, 8.8663, 13.3423



9.6322, 8.8663, 2.2709



5.1193, 8.8663, 6.7168



7.3271, 8.8663, 25.5199

Rectangle

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



12.9198, 8.8663, 13.3423



12.2662, 8.8663, 4.5821



5.1193, 8.8663, 6.7168



5.4865, 8.8663, 17.5279

Sweetspot

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



12.9201, 8.8667, 13.3425



30.8611, 28.9806, 35.0050



9.5711, 6.9615, 21.2614



7.1111, 6.5914, 8.0502



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.



12.9201, 8.8667, 13.3425



20.9769, 12.8994, 20.3427



11.6055, 8.3409, 6.4198



4.4271, 4.3840, 5.0533



10.1356, 5.0739, 7.3039



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.9201, 8.8667, 13.3425



20.9769, 12.8994, 20.3427



13.1136, 17.8185, 20.9341



4.4271, 4.3840, 5.0533



10.1356, 5.0739, 7.3039



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.9198, 8.8663, 13.3423 looks on a white background.

Color Contrast Check

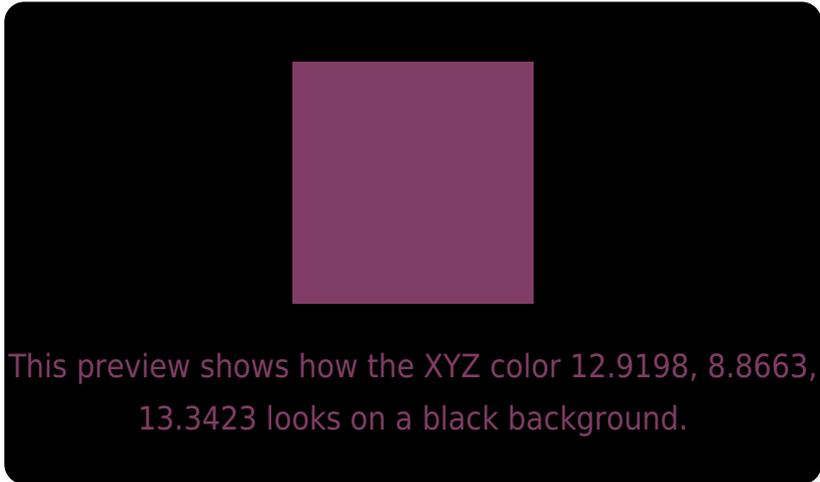
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

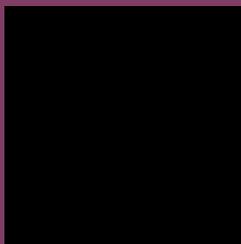
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9198, 8.8663, 13.3423

Background



This preview shows how black text looks on a background with the XYZ color 12.9198, 8.8663, 13.3423.



This preview shows how white text looks on a background with the XYZ color 12.9198, 8.8663,

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

12.9198, 8.8663, 13.3423

Protanopia

9.2829, 9.1209, 18.1009

Deuteranopia

9.1814, 9.0758, 12.5772



Tritanopia

11.6343, 8.8422, 7.2244

Trichromacy



Original Color

12.9198, 8.8663, 13.3423

Protanomaly

10.0698, 8.6963, 16.1867

Deuteranomaly

10.2002, 8.7388, 12.7044

Tritanomaly

12.0558, 8.8407, 9.2546

Monochromacy



Original Color

12.9198, 8.8663, 13.3423

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.9090, 8.8298, 11.0796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9198, 8.8663, 13.3423 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(128, 61, 101)` looks like.

```
.text, #text, p{  
    color:rgb(128, 61, 101)  
}
```

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(128, 61, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 61, 101) }
```

Border

The CSS property to change the border of an element to XYZ 12.9198, 8.8663, 13.3423 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(128, 61, 101) }
```

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

```
.border{ border-color:rgb(128, 61, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 61, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 61, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 61, 101);  
box-shadow:4px 4px 4px 4px rgb(128, 61,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9198, 8.8663, 13.3423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 61, 101) }
```

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

```
.background{ background-color: rgb(128, 61,  
101) }
```

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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