

Converting Colors

XYZ(12.4129, 8.3150, 19.3631)

Have a look what the booklet for
XYZ(12.4129, 8.3150, 19.3631)
contains.

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Color

**XYZ(12.4129, 8.3150,
19.3631)**

Conversions

Conversions Part 1

Format	Color
Hex	753B7A
RGB	117, 59, 122
RGB Percent	46%, 23%, 48%
CMY	0.5412, 0.7686, 0.5216
CMYK	0.04, 0.52, 0.00, 0.52
HSL	295°, 35%, 35%
HSV	295°, 52%, 48%
XYZ	12.4129, 8.3150, 19.3631
YIQ	83.5240, 14.3450, 31.8890

Conversions

Conversions Part 2

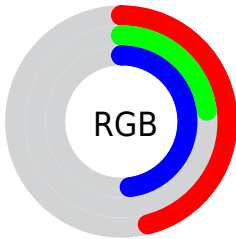
Format	Color
R_{YB}	117, 59, 122
Decimal	7682938
CIE Lab	34.63, 35.44, -25.18
CIE LCh	35, 43.474, 324.613
Yxy	8.3150, 0.3096, 0.2074
Android (android.graphics.Color)	4285873018 (0xFF753B7A)
YUV	83.5240, 18.9687, 29.3585
Hunter-Lab	28.8357, 26.3762, -19.6280

Details

The XYZ color **12.4129, 8.3150, 19.3631** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **9.8637, 15.3251, 6.5763**, and the grayscale version is **8.2896, 8.7213, 9.4975**.

A 20% lighter version of the original color is **30.0011, 22.6904, 43.3559**, and **3.5471, 1.8347, 6.4705** is the 20% darker color. If you saturate the color by 10%, you get **11.7283, 7.1377, 19.1721**, and if you desaturate by 10%, it is **13.2460, 9.7869, 19.6034**.

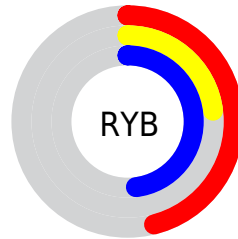
Distribution



Red (46%)

Green (23%)

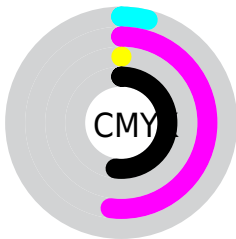
Blue (48%)



Red (46%)

Yellow (23%)

Blue (48%)

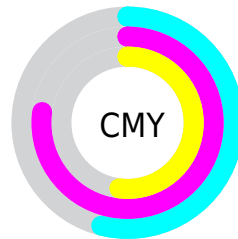


Cyan (4%)

Magenta (52%)

Yellow (0%)

Black (52%)



Cyan (54%)

Magenta (77%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4129, 8.3150, 19.3631 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 12.4129, 8.3150, 19.3631 by changing the saturation by 10% instead.

■ 12.4129, 8.3150,
19.3631

■ 12.4129, 8.3150,
19.3631

200.8345,
178.1823, 260.9352

■ 7.0997, 4.2972,
11.7535

■ 29.8553, 22.5737,
43.1916

■ 3.5714, 1.8411,
6.4555

■ 42.7152, 33.5833,
60.2476

■ 1.4627, 0.5126,
3.0508

■ 58.8215, 47.6924,
81.2894

■ 0.3002, 0.0000,
1.1206

■ 78.5393, 65.2852,
106.7356

■ 0.0000, 0.0000,
0.0000

■ 102.2342, 86.7462,
137.0047

■ 130.2715,

112.4598, 172.5154

163.0165,
142.8103, 213.6860

■ 12.4129, 8.3150,
19.3631

■ 12.4129, 8.3150,
19.3631

■ 11.7283, 7.1377,
19.1721

■ 13.2460, 9.7869,
19.6034

■ 11.1809, 6.2332,
19.0263

■ 14.2362, 11.5711,
19.8956

■ 10.7594, 5.5783,
18.9221

■ 15.3923, 13.6850,
20.2427

■ 10.4501, 5.1458,
18.8550

■ 16.7222, 16.1447,
20.6474

■ 10.2354, 4.8708,
18.8132

■ 18.2335, 18.9650,
21.1121

■ 19.9330, 22.1599,
21.6392

■ 21.8276, 25.7428,
22.2309

■ 23.9234, 29.7262,
22.8893

■ 26.2266, 34.1221,
23.6164

Harmonies

Analogous

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



10.0380, 8.3150, 27.7595



12.4129, 8.3150, 19.3631



13.5996, 8.3150, 10.3838

Triad

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



12.4129, 8.3150, 19.3631



8.3549, 8.3150, 1.1603



4.3399, 8.3150, 15.9366

Complementary

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



12.4129, 8.3150, 19.3631



9.8637, 15.3251, 6.5763

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.



4.0719, 8.3150, 7.8421



12.4129, 8.3150, 19.3631



6.0947, 8.3150, 1.4837

Square

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



12.4129, 8.3150, 19.3631



10.9659, 8.3150, 1.8974



4.6441, 8.3150, 3.2623



5.4714, 8.3150, 25.1646

Rectangle

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



12.4129, 8.3150, 19.3631



13.4111, 8.3150, 6.0518



4.6441, 8.3150, 3.2623



4.1572, 8.3150, 12.9129

Sweetspot

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



12.4132, 8.3154, 19.3633



28.5111, 26.7186, 36.0474



7.1644, 6.0305, 19.1989



6.4285, 5.9417, 8.2147



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.4132, 8.3154, 19.3633



20.4368, 12.2264, 33.6757



11.6901, 8.1058, 11.9549



4.1246, 4.0621, 5.0099



10.7730, 5.1265, 19.8070



51.0552, 24.2819, 94.4658

Inverse Universe

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



10.5157, 7.6361, 5.7707



16.7792, 10.9348, 6.6724



10.4132, 15.5090, 11.0916



4.0100, 4.0197, 4.2505



8.5045, 4.3779, 0.6816



40.4346, 20.8302, 2.5530

Previews

White Background



This preview shows how the XYZ color 12.4129, 8.3150, 19.3631 looks on a white background.

Color Contrast Check

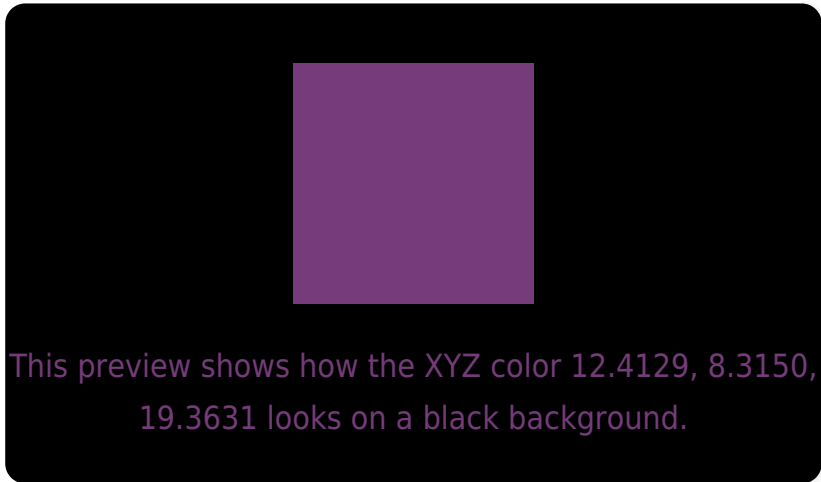
Large Text (above 18pt) WCAG AA ✓ Pass

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

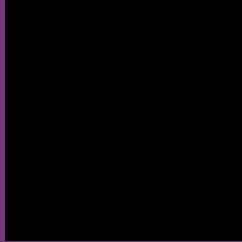
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4129, 8.3150, 19.3631

Background



This preview shows how black text looks on a background with the XYZ color 12.4129, 8.3150, 19.3631.



This preview shows how white text looks on a background with the XYZ color 12.4129, 8.3150,

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

12.4129, 8.3150, 19.3631

Protanopia

9.2332, 8.4715, 25.9595

Deuteranopia

8.5963, 8.4218, 18.3120



Tritanopia

10.0502, 8.2816, 7.9063

Trichromacy



Original Color

12.4129, 8.3150, 19.3631

Protanomaly

9.6929, 7.9479, 23.2135

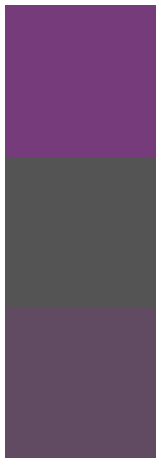
Deuteranomaly

9.5501, 8.0754, 18.5081

Tritanomaly

10.7341, 8.1975, 11.3724

Monochromacy



Original Color

12.4129, 8.3150, 19.3631

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.5446, 8.4008, 12.6737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4129, 8.3150, 19.3631 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(117, 59, 122)` looks like.

```
.text, #text, p{  
    color:rgb(117, 59, 122)  
}
```

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(117, 59, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 59, 122) }
```

Border

The CSS property to change the border of an element to XYZ 12.4129, 8.3150, 19.3631 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(117, 59, 122) }
```


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

```
.border{ border-color:rgb(117, 59, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 59, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 59, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 59, 122); box-shadow:4px 4px 4px 4px rgb(117, 59, 122) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4129, 8.3150, 19.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 59, 122) }
```

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

```
.background{ background-color: rgb(117, 59,  
122) }
```

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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