

Converting Colors

XYZ(12.8722, 10.1854, 14.3181)

Have a look what the booklet for
XYZ(12.8722, 10.1854, 14.3181)
contains.

XYZ(12.8289, 10.1614, 14.3819)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.8289, 10.1614,
14.3819)**

Conversions

Conversions Part 1

Format	Color
Hex	784C68
RGB	120, 76, 104
RGB Percent	47%, 30%, 41%
CMY	0.5294, 0.7020, 0.5922
CMYK	0.00, 0.37, 0.13, 0.53
HSL	322°, 22%, 38%
HSV	322°, 37%, 47%
XYZ	12.8289, 10.1614, 14.3819
YIQ	92.3480, 17.2360, 18.0360

Conversions

Conversions Part 2

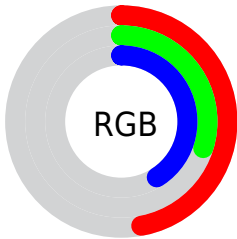
Format	Color
RYB	120, 76, 104
Decimal	7883880
CIELab	38.13, 23.16, -8.53
CIELCh	38, 24.678, 339.788
Yxy	10.1614, 0.3433, 0.2719
Android (android.graphics.Color)	4286073960 (0xFF784C68)
YUV	92.3480, 5.7444, 24.2508
Hunter-Lab	31.8770, 16.0528, -4.4360

Details

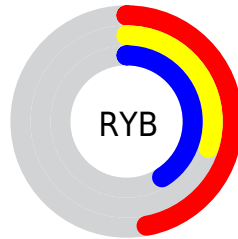
The XYZ color **12.8289, 10.1614, 14.3819** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **11.6292, 15.7425, 12.5516**, and the grayscale version is **10.2376, 10.7707, 11.7293**.

A 20% lighter version of the original color is **30.6108, 26.1725, 34.4488**, and **3.7286, 2.5260, 4.1620** is the 20% darker color. If you saturate the color by 10%, you get **11.8621, 8.5733, 12.9942**, and if you desaturate by 10%, it is **13.9620, 12.0635, 15.8819**.

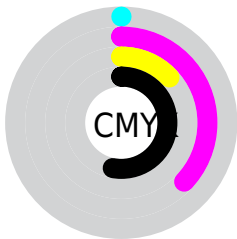
Distribution



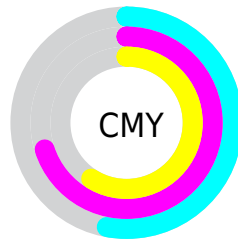
- Red (47%)
- Green (30%)
- Blue (41%)



- Red (47%)
- Yellow (30%)
- Blue (41%)



- Cyan (0%)
- Magenta (37%)
- Yellow (13%)
- Black (53%)



- Cyan (53%)
- Magenta (70%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8289, 10.1614, 14.3819 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 12.8289, 10.1614, 14.3819 by changing the saturation by 10% instead.

■ 12.8289, 10.1614,
14.3819

■ 12.8289, 10.1614,
14.3819

203.4780,
191.8202, 231.1043

■ 7.3870, 5.5061,
8.2450

■ 30.6000, 26.0986,
34.4920

■ 3.7538, 2.5472,
4.1621

■ 43.6599, 38.1494,
49.3022

■ 1.5638, 0.9002,
1.7147

■ 59.9899, 53.4340,
67.8406

■ 0.3686, 0.0000,
0.3708

■ 79.9553, 72.3370,
90.5257

■ 0.0000, 0.0000,
0.0000

■ 103.9214, 95.2427,
117.7761

132.2537,

122.5356, 150.0103

165.3174,
154.5999, 187.6469

■ 12.8289, 10.1614,
14.3819

■ 12.8289, 10.1614,
14.3819

■ 11.8621, 8.5733,
12.9942

■ 13.9620, 12.0635,
15.8819

■ 11.0519, 7.2805,
11.7143

■ 15.2687, 14.2942,
17.4971

■ 10.3891, 6.2646,
10.5385

■ 16.7567, 16.8686,
19.2309


■ 9.8629, 5.5045,
9.4622


■ 18.4331, 19.8009,
21.0867

■ 9.4611, 4.9757,
8.4805


■ 20.3048, 23.1041,
23.0673


 9.1579, 4.6275,
7.5839

 22.3779, 26.7906,
25.1757

 9.0630, 4.5200,
7.2983

 24.6587, 30.8725,
27.4146

 27.1528, 35.3610,
29.7867

 29.8660, 40.2671,
32.2946

Harmonies

Analogous

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



11.7550, 10.1614, 19.2715



12.8289, 10.1614, 14.3819



13.0038, 10.1614, 9.6381

Triad

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



12.8289, 10.1614, 14.3819



9.1464, 10.1614, 4.4729



7.4894, 10.1614, 17.6848

Complementary

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



12.8289, 10.1614, 14.3819



11.6292, 15.7425, 12.5516

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.



6.9419, 10.1614, 12.6242



12.8289, 10.1614, 14.3819



7.8267, 10.1614, 5.5973

Square

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



12.8289, 10.1614, 14.3819



10.7561, 10.1614, 4.7024



7.0582, 10.1614, 8.3002



8.6375, 10.1614, 21.5132

Rectangle

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



12.8289, 10.1614, 14.3819



12.5694, 10.1614, 7.2515



7.0582, 10.1614, 8.3002



7.2351, 10.1614, 16.0221

Sweetspot

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



12.8292, 10.1619, 14.3821



28.2261, 27.5068, 32.3928



10.3290, 8.7700, 18.9180



6.6236, 6.4051, 7.6001



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.



12.8292, 10.1619, 14.3821



21.1141, 15.4865, 23.2286



11.8765, 9.7808, 9.3653



4.0955, 4.0539, 4.7008



9.8801, 4.9282, 7.9255



46.7097, 23.3402, 35.5971

Inverse Universe

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



12.8292, 10.1619, 14.3821



21.1141, 15.4865, 23.2286



12.7006, 16.1711, 18.1934



4.0955, 4.0539, 4.7008



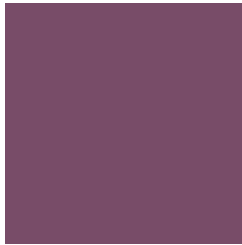
9.8801, 4.9282, 7.9255



46.7097, 23.3402, 35.5971

Previews

White Background



This preview shows how the XYZ color 12.8289, 10.1614, 14.3819 looks on a white background.

Color Contrast Check

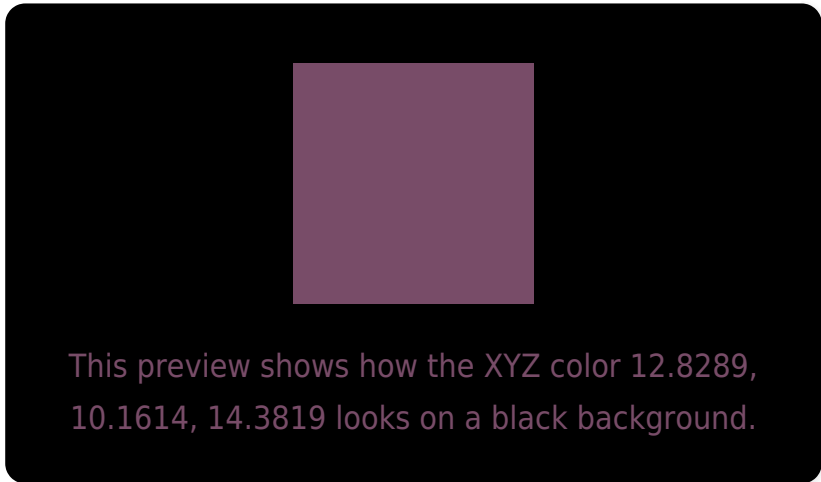
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.8289, 10.1614, 14.3819

Background



This preview shows how black text looks on a background with the XYZ color 12.8289, 10.1614, 14.3819.

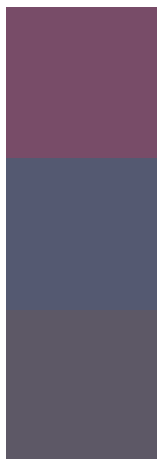


This preview shows how white text looks on a background with the XYZ color 12.8289, 10.1614,

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

12.8289, 10.1614, 14.3819

Protanopia

10.2092, 10.2218, 17.0577

Deuteranopia

10.4022, 10.2659, 14.0036



Tritanopia

11.9469, 10.1154, 10.1269

Trichromacy



Original Color

12.8289, 10.1614, 14.3819

Protanomaly

10.9146, 10.0078, 16.1083

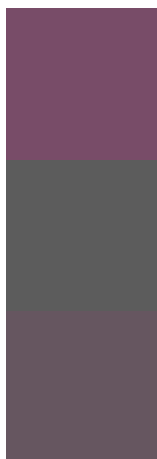
Deuteranomaly

11.2120, 10.2035, 14.2105

Tritanomaly

12.3079, 10.1610, 11.6685

Monochromacy



Original Color

12.8289, 10.1614, 14.3819

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.9186, 10.3249, 12.4838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8289, 10.1614, 14.3819 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(120, 76, 104)` looks like.

```
.text, #text, p{  
    color:rgb(120, 76, 104)  
}
```

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(120, 76, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 76, 104) }
```

Border

The CSS property to change the border of an element to XYZ 12.8289, 10.1614, 14.3819 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(120, 76, 104) }
```


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

```
.border{ border-color:rgb(120, 76, 104) }
```

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

Here you see how a box with a 4 pixel rgb(120, 76, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 76, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 76, 104);  
box-shadow:4px 4px 4px 4px rgb(120, 76,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8289, 10.1614, 14.3819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 76, 104) }
```

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

```
.background{ background-color: rgb(120, 76,  
104) }
```

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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