

Converting Colors

XYZ(12.2471, 7.9593, 18.3176)

Have a look what the booklet for
XYZ(12.2471, 7.9593, 18.3176)
contains.

XYZ(12.3037, 7.9862, 18.3458)	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(12.3037, 7.9862,
18.3458)**

Conversions

Conversions Part 1

Format	Color
Hex	773777
RGB	119, 55, 119
RGB Percent	47%, 22%, 47%
CMY	0.5333, 0.7843, 0.5333
CMYK	0.00, 0.54, 0.00, 0.53
HSL	300°, 37%, 34%
HSV	300°, 54%, 47%
XYZ	12.3037, 7.9862, 18.3458
YIQ	81.4320, 17.6000, 33.4720

Conversions

Conversions Part 2

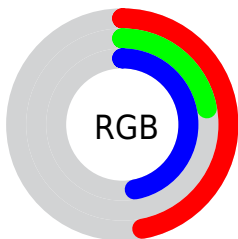
Format	Color
R_{YB}	119, 55, 119
Decimal	7812983
CIE _{Lab}	33.95, 37.61, -24.34
CIE _{LCh}	34, 44.799, 327.095
Yxy	7.9862, 0.3185, 0.2067
Android (android.graphics.Color)	4286003063 (0xFF773777)
YUV	81.4320, 18.5210, 32.9471
Hunter-Lab	28.2599, 28.2601, -18.7081

Details

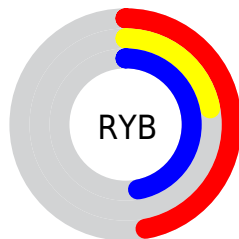
The XYZ color **12.3037, 7.9862, 18.3458** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **8.8623, 14.2820, 5.9044**, and the grayscale version is **7.8688, 8.2786, 9.0154**.

A 20% lighter version of the original color is **29.6358, 21.9277, 41.1986**, and **3.5111, 1.7146, 5.9402** is the 20% darker color. If you saturate the color by 10%, you get **11.8053, 6.9891, 18.1797**, and if you desaturate by 10%, it is **12.9390, 9.2567, 18.5577**.

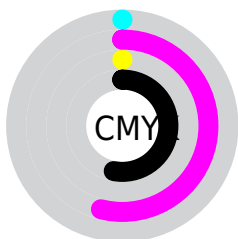
Distribution



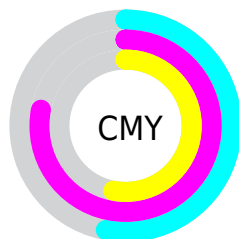
- Red (47%)
- Green (22%)
- Blue (47%)



- Red (47%)
- Yellow (22%)
- Blue (47%)



- Cyan (0%)
- Magenta (54%)
- Yellow (0%)
- Black (53%)



- Cyan (53%)
- Magenta (78%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3037, 7.9862, 18.3458 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 12.3037, 7.9862, 18.3458 by changing the saturation by 10% instead.

12.3037, 7.9862,
18.3458

12.3037, 7.9862,
18.3458

200.1347,
175.6237, 255.1142

7.0245, 4.0861,
11.0265

29.6591, 21.9314,
41.4476

3.5239, 1.7219,
5.9703

42.4661, 32.7453,
58.0671

1.4365, 0.4377,
2.7585

58.5130, 46.6326,
78.6239

0.2820, 0.0000,
0.9727

78.1653, 63.9776,
103.5363

0.0000, 0.0000,
0.0000

101.7882, 85.1649,
133.2231

129.7472,

110.5787, 168.1026

162.4076,
140.6035, 208.5935

■ 12.3037, 7.9862,
18.3458

■ 12.3037, 7.9862,
18.3458

■ 11.8053, 6.9891,
18.1797

■ 12.9390, 9.2567,
18.5577

■ 11.4329, 6.2445,
18.0556

■ 13.7195, 10.8175,
18.8178

■ 11.1757, 5.7300,
17.9698

■ 14.6534, 12.6854,
19.1292

■ 11.0180, 5.4146,
17.9172

■ 15.7485, 14.8757,
19.4942

■ 10.9376, 5.2539,
17.8904

■ 17.0119, 17.4024,
19.9154

■ 18.4502, 20.2790,
20.3948

■ 20.0698, 23.5181,
20.9347

■ 21.8765, 27.1316,
21.5370

■ 23.8763, 31.1311,
22.2036

Harmonies

Analogous

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



9.9595, 7.9862, 27.2322



12.3037, 7.9862, 18.3458



13.3737, 7.9862, 9.4015

Triad

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



12.3037, 7.9862, 18.3458



7.8333, 7.9862, 0.9648



4.1058, 7.9862, 16.4556

Complementary

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



12.3037, 7.9862, 18.3458



8.8623, 14.2820, 5.9044

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.



3.7740, 7.9862, 8.0260



12.3037, 7.9862, 18.3458



5.6307, 7.9862, 1.3461

Square

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



12.3037, 7.9862, 18.3458



10.4663, 7.9862, 1.5543



4.2672, 7.9862, 3.2111



5.2968, 7.9862, 25.7867

Rectangle

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



12.3037, 7.9862, 18.3458



13.0794, 7.9862, 5.2857



4.2672, 7.9862, 3.2111



3.9030, 7.9862, 13.3253

Sweetspot

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



12.3040, 7.9866, 18.3460



27.6570, 25.5501, 34.7270



6.2718, 4.8769, 18.0638



6.4768, 5.8999, 8.2041



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.



12.3040, 7.9866, 18.3460



20.9259, 12.0879, 32.4831



10.6946, 7.3428, 9.8708



3.8266, 3.7579, 4.6139



11.6204, 5.5819, 19.0073



56.6279, 27.2013, 92.6248

Inverse Universe

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



12.3040, 7.9866, 18.3460



20.9259, 12.0879, 32.4831



9.8930, 14.6943, 11.3321



3.8266, 3.7579, 4.6139



11.6204, 5.5819, 19.0073



56.6279, 27.2013, 92.6248

Previews

White Background



This preview shows how the XYZ color 12.3037, 7.9862, 18.3458 looks on a white background.

Color Contrast Check

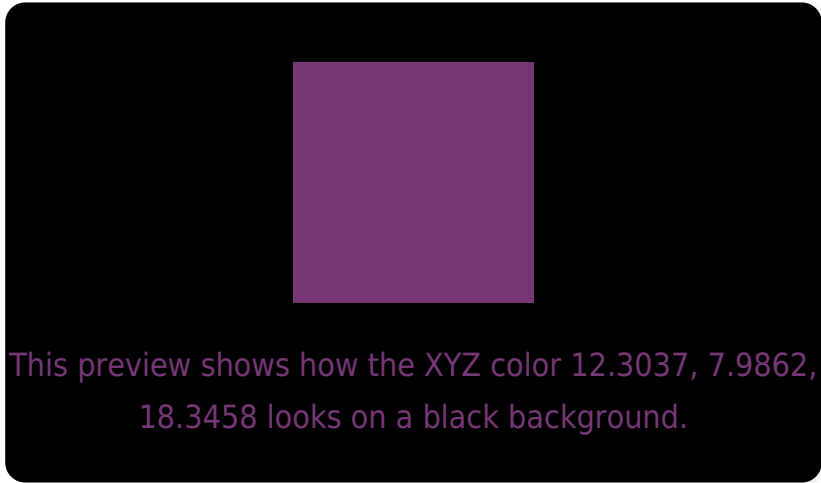
Large Text (above 18pt) WCAG AA ✓ Pass

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

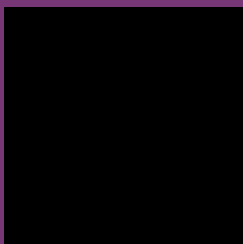
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3037, 7.9862, 18.3458

Background



This preview shows how black text looks on a background with the XYZ color 12.3037, 7.9862, 18.3458.



This preview shows how white text looks on a background with the XYZ color 12.3037, 7.9862, 18.3458.

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

12.3037, 7.9862, 18.3458

Protanopia

8.9978, 8.2423, 25.9276

Deuteranopia

8.3471, 8.2041, 17.3633



Tritanopia

9.9869, 7.9929, 7.1473

Trichromacy



Original Color

12.3037, 7.9862, 18.3458

Protanomaly

9.4156, 7.6240, 22.8051

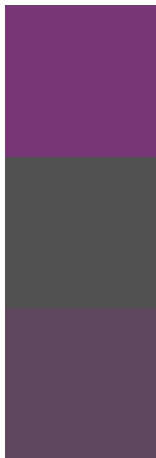
Deuteranomaly

9.3361, 7.7937, 17.5353

Tritanomaly

10.6509, 7.9211, 10.4188

Monochromacy



Original Color

12.3037, 7.9862, 18.3458

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.1022, 7.8938, 11.8704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3037, 7.9862, 18.3458 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(119, 55, 119)` looks like.

```
.text, #text, p{  
    color:rgb(119, 55, 119)  
}
```

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(119, 55, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 55, 119) }
```

Border

The CSS property to change the border of an element to XYZ 12.3037, 7.9862, 18.3458 is called "border". The border property can be set on classes, ids or directly on the HTML element.

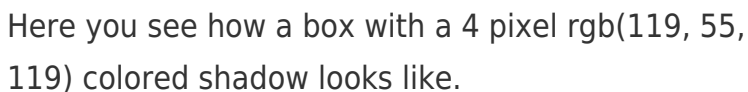
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 55, 119) }
```


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

```
.border{ border-color:rgb(119, 55, 119) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 55, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 55, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 55, 119); box-shadow:4px 4px 4px 4px rgb(119, 55, 119) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3037, 7.9862, 18.3458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 55, 119) }
```

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

```
.background{ background-color: rgb(119, 55,  
119) }
```

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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