

Converting Colors

XYZ(10.7583, 8.1789, 3.0243)

Have a look what the booklet for
XYZ(10.7583, 8.1789, 3.0243)
contains.

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Color

**XYZ(10.7647, 8.1438,
3.0120)**

Conversions

Conversions Part 1

Format	Color
Hex	7E3F28
RGB	126, 63, 40
RGB Percent	49%, 25%, 16%
CMY	0.5059, 0.7529, 0.8431
CMYK	0.00, 0.50, 0.68, 0.51
HSL	16°, 52%, 33%
HSV	16°, 68%, 49%
XYZ	10.7647, 8.1438, 3.0120
YIQ	79.2150, 44.9310, 6.2030

Conversions

Conversions Part 2

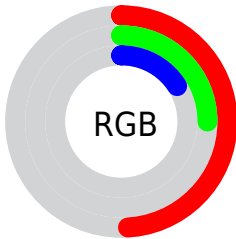
Format	Color
RYB	126, 71, 40
Decimal	8273704
CIELab	34.28, 25.19, 26.20
CIElCh	34, 36.345, 46.135
Yxy	8.1438, 0.4911, 0.3715
Android (android.graphics.Color)	4286463784 (0xFF7E3F28)
YUV	79.2150, -19.3330, 41.0304
Hunter-Lab	28.5373, 17.3924, 13.7183

Details

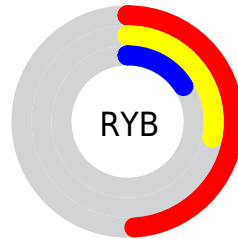
The XYZ color **10.7647, 8.1438, 3.0120** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **9.4909, 11.6573, 21.4885**, and the grayscale version is **7.5033, 7.8940, 8.5966**.

A 20% lighter version of the original color is **26.7653, 22.2053, 11.6795**, and **2.8729, 1.7786, 0.1919** is the 20% darker color. If you saturate the color by 10%, you get **10.1153, 7.1339, 1.9052**, and if you desaturate by 10%, it is **11.5701, 9.3540, 4.5159**.

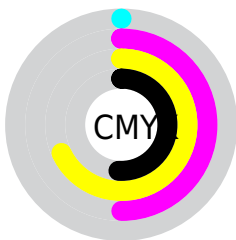
Distribution



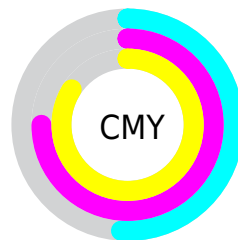
- Red (49%)
- Green (25%)
- Blue (16%)



- Red (49%)
- Yellow (28%)
- Blue (16%)



- Cyan (0%)
- Magenta (50%)
- Yellow (68%)
- Black (51%)



- Cyan (51%)
- Magenta (75%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.7647, 8.1438, 3.0120 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 10.7647, 8.1438, 3.0120 by changing the saturation by 10% instead.


 10.7647, 8.1438,
3.0120


 10.7647, 8.1438,
3.0120


189.9879,
176.8556, 136.5133


 5.9750, 4.1871,
1.1008


 26.8611, 22.2399,
11.6580


 2.8704, 1.7788,
0.0000

 38.8984, 33.1480,
19.2299

 1.0856, 0.4739,
0.0000

 54.0823, 47.1421,
29.5258

 0.0130, 0.0000,
0.0000

 72.7781, 64.6066,
42.9641

 0.0000, 0.0000,
0.0000

 95.3512, 85.9257,
59.9635

 122.1670,

111.4840, 80.9425

153.5908,
141.6658, 106.3196

10.7647, 8.1438,
3.0120

10.7647, 8.1438,
3.0120

10.1153, 7.1339,
1.9052

11.5701, 9.3540,
4.5159

9.6101, 6.3117,
1.1563

12.5411, 10.7735,
6.4500

9.2266, 5.6611,
0.6696

13.6871, 12.4126,
8.8447

9.1677, 5.5627,
0.5905

15.0165, 14.2801,
11.7273

16.5373, 16.3847,
15.1230

■ 18.2569, 18.7343,
19.0552

■ 20.1823, 21.3367,
23.5460

■ 22.3202, 24.1991,
28.6160

■ 24.6769, 27.3285,
34.2850

Harmonies

Analogous

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



12.1162, 8.1438, 6.1149



10.7647, 8.1438, 3.0120



8.7116, 8.1438, 1.8488

Triad

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



10.7647, 8.1438, 3.0120



4.5419, 8.1438, 6.4542



8.8739, 8.1438, 24.4744

Complementary

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



10.7647, 8.1438, 3.0120



9.4909, 11.6573, 21.4885

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.



6.8443, 8.1438, 24.7001



10.7647, 8.1438, 3.0120



4.5699, 8.1438, 12.3417

Square

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



10.7647, 8.1438, 3.0120



5.2586, 8.1438, 3.1667



5.3434, 8.1438, 19.5834



10.9012, 8.1438, 19.0583

Rectangle

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



10.7647, 8.1438, 3.0120



7.3317, 8.1438, 1.7585



5.3434, 8.1438, 19.5834



8.1641, 8.1438, 25.2206

Sweetspot

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



10.7649, 8.1442, 3.0121



28.4870, 27.9839, 25.2167



11.8145, 6.9338, 13.5652



6.3372, 6.1686, 5.4164



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.7649, 8.1442, 3.0121



17.2718, 11.6985, 2.5346



14.1344, 14.8832, 4.1353



4.4141, 4.5170, 4.5593



9.4021, 5.7005, 0.6048



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.4909, 11.6573, 21.4885



14.7879, 18.2017, 37.4782



6.2603, 5.1962, 20.4116



4.3522, 4.6984, 5.4908



7.8127, 9.4438, 21.6610



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.7647, 8.1438, 3.0120 looks on a white background.

Color Contrast Check

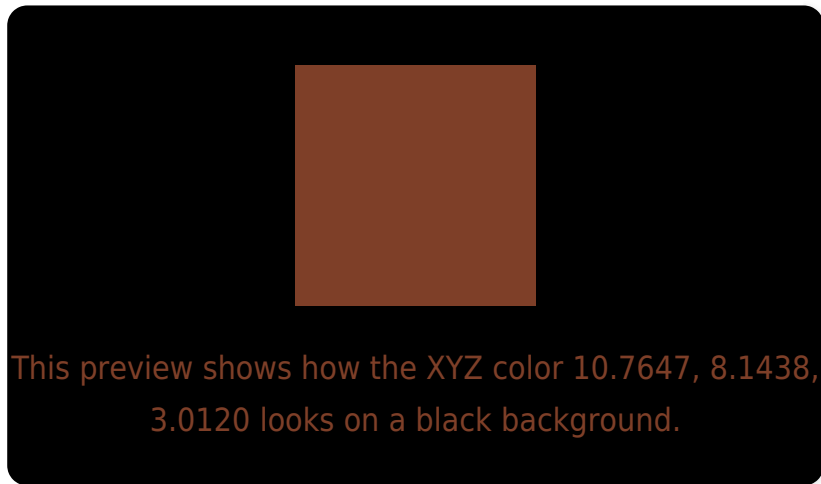
Large Text (above 18pt) WCAG AA ✓ Pass

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

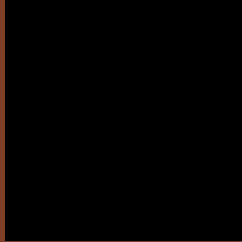
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.7647, 8.1438, 3.0120

Background



This preview shows how black text looks on a background with the XYZ color 10.7647, 8.1438, 3.0120.



This preview shows how white text looks on a background with the XYZ color 10.7647, 8.1438,

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

10.7647, 8.1438, 3.0120

Protanopia

7.5554, 8.2060, 3.7705

Deuteranopia

8.3546, 8.2080, 2.8942



Tritanopia

11.2937, 8.1139, 5.8214

Trichromacy



Original Color

10.7647, 8.1438, 3.0120

Protanomaly

8.3829, 7.9042, 3.4667

Deuteranomaly

9.0976, 8.0897, 2.9157

Tritanomaly

11.1107, 8.1253, 4.5972

Monochromacy



Original Color

10.7647, 8.1438, 3.0120

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

8.1605, 7.6335, 6.0443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7647, 8.1438, 3.0120 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(126, 63, 40)` looks like.

```
.text, #text, p{  
    color:rgb(126, 63, 40)  
}
```

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(126, 63, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 63, 40) }
```

Border

The CSS property to change the border of an element to XYZ 10.7647, 8.1438, 3.0120 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(126, 63, 40) }
```


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

```
.border{ border-color:rgb(126, 63, 40) }
```

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

Here you see how a box with a 4 pixel rgb(126, 63, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 63, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 63, 40);  
box-shadow:4px 4px 4px 4px rgb(126, 63,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7647, 8.1438, 3.0120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 63, 40) }
```

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

```
.background{ background-color: rgb(126, 63,  
40) }
```

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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