

Converting Colors

XYZ(10.1966, 7.8578, 2.4673)

Have a look what the booklet for
XYZ(10.1966, 7.8578, 2.4673)
contains.

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Color

**XYZ(10.2346, 7.8815,
2.4952)**

Conversions

Conversions Part 1

Format	Color
Hex	7B3F22
RGB	123, 63, 34
RGB Percent	48%, 25%, 13%
CMY	0.5176, 0.7529, 0.8667
CMYK	0.00, 0.49, 0.72, 0.52
HSL	20°, 57%, 31%
HSV	20°, 72%, 48%
XYZ	10.2346, 7.8815, 2.4952
YIQ	77.6340, 45.0690, 3.7010

Conversions

Conversions Part 2

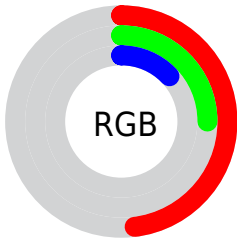
Format	Color
R_{YB}	123, 77, 34
Decimal	8077090
CIE _{Lab}	33.73, 23.50, 28.94
CIE _{LCh}	34, 37.281, 50.924
Yxy	7.8815, 0.4966, 0.3824
Android (android.graphics.Color)	4286267170 (0xFF7B3F22)
YUV	77.6340, -21.5116, 39.7860
Hunter-Lab	28.0740, 15.9441, 14.3821

Details

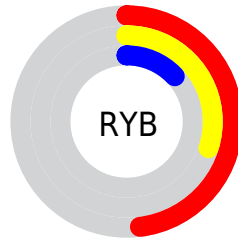
The XYZ color **10.2346, 7.8815, 2.4952** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **8.2371, 9.7747, 20.1912**, and the grayscale version is **7.2061, 7.5813, 8.2561**.

A 20% lighter version of the original color is **25.8325, 21.7512, 10.4263**, and **2.6705, 1.6978, 0.1870** is the 20% darker color. If you saturate the color by 10%, you get **9.6628, 6.9729, 1.5806**, and if you desaturate by 10%, it is **10.9395, 8.9548, 3.7678**.

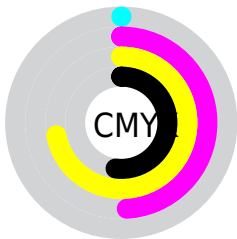
Distribution



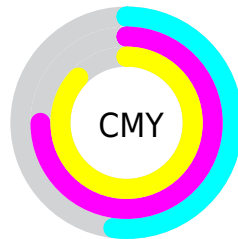
- Red (48%)
- Green (25%)
- Blue (13%)



- Red (48%)
- Yellow (30%)
- Blue (13%)



- Cyan (0%)
- Magenta (49%)
- Yellow (72%)
- Black (52%)



- Cyan (52%)
- Magenta (75%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2346, 7.8815, 2.4952 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 10.2346, 7.8815, 2.4952 by changing the saturation by 10% instead.

■ 10.2346, 7.8815,
2.4952

■ 10.2346, 7.8815,
2.4952

186.3572,
174.7996, 129.6460

■ 5.6182, 4.0192,
0.8376

■ 25.8815, 21.7258,
10.3551

■ 2.6528, 1.6843,
0.0000

■ 37.6428, 32.4766,
17.4000

■ 0.9729, 0.4135,
0.0000

■ 52.5164, 46.2924,
27.0795

■ 0.0000, 0.0000,
0.0000

■ 70.8677, 63.5575,
39.8122

■ 93.0621, 84.6564,
56.0167

■ 119.4649,

109.9735, 76.1115

150.4415,
139.8931, 100.5151

10.2346, 7.8815,
2.4952

10.2346, 7.8815,
2.4952

9.6628, 6.9729,
1.5806

10.9395, 8.9548,
3.7678

9.2133, 6.2186,
0.9847

11.7859, 10.1996,
5.4311

8.9299, 5.7342,
0.6362

12.7822, 11.6242,
7.5145

13.9358, 13.2354,
10.0444

15.2536, 15.0401,
13.0451

■ 16.7421, 17.0447,
16.5392

■ 18.4073, 19.2551,
20.5476

■ 20.2552, 21.6771,
25.0901

■ 22.2912, 24.3163,
30.1855

Harmonies

Analogous

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



11.7667, 7.8815, 5.1728



10.2346, 7.8815, 2.4952



8.1247, 7.8815, 1.5950

Triad

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



10.2346, 7.8815, 2.4952



4.2566, 7.8815, 6.9343



8.9754, 7.8815, 23.8566

Complementary

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



10.2346, 7.8815, 2.4952



8.2371, 9.7747, 20.1912

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.



6.8914, 7.8815, 25.0586



10.2346, 7.8815, 2.4952



4.4015, 7.8815, 13.2317

Square

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



10.2346, 7.8815, 2.4952



4.8483, 7.8815, 3.2831



5.2878, 7.8815, 20.5334



10.9532, 7.8815, 17.7472

Rectangle

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



10.2346, 7.8815, 2.4952



6.7746, 7.8815, 1.6155



5.2878, 7.8815, 20.5334



8.2565, 7.8815, 24.9307

Sweetspot

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



10.2348, 7.8819, 2.4953



27.2696, 26.8709, 23.2544



10.7975, 6.1779, 11.4061



6.2957, 6.1561, 5.1848



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.



10.2348, 7.8819, 2.4953



16.7354, 11.5417, 2.0496



13.6817, 14.7758, 3.6443



4.0951, 4.2087, 4.2210



9.2334, 5.9228, 0.6566



43.3459, 26.8552, 2.8990

Inverse Universe

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



8.2371, 9.7747, 20.1912



12.8513, 15.0037, 35.7753



5.3890, 4.0785, 19.2419



4.0022, 4.3027, 5.0627



6.8867, 7.8558, 20.5386



32.0503, 35.8732, 97.7048

Previews

White Background



This preview shows how the XYZ color 10.2346, 7.8815, 2.4952 looks on a white background.

Color Contrast Check

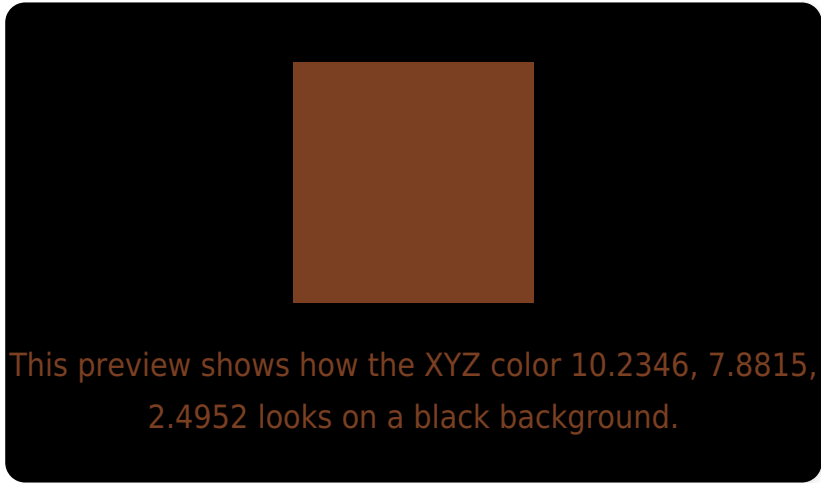
Large Text (above 18pt) WCAG AA ✓ Pass

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

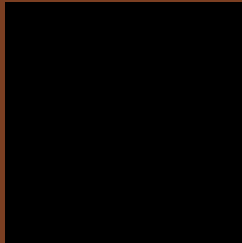
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.2346, 7.8815, 2.4952

Background



This preview shows how black text looks on a background with the XYZ color 10.2346, 7.8815, 2.4952.



This preview shows how white text looks on a background with the XYZ color 10.2346, 7.8815,

2.4952.

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

10.2346, 7.8815, 2.4952

Protanopia

7.3547, 8.0077, 3.0775

Deuteranopia

8.0873, 7.9771, 2.4098



Tritanopia

10.9987, 7.9619, 5.8076

Trichromacy



Original Color

10.2346, 7.8815, 2.4952

Protanomaly

8.1495, 7.7978, 2.8259

Deuteranomaly

8.6983, 7.7989, 2.4134

Tritanomaly

10.6235, 7.8796, 4.3292

Monochromacy



Original Color

10.2346, 7.8815, 2.4952

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

7.8681, 7.4926, 5.5889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2346, 7.8815, 2.4952 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(123, 63, 34)` looks like.

```
.text, #text, p{  
    color:rgb(123, 63, 34)  
}
```

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(123, 63, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 63, 34) }
```

Border

The CSS property to change the border of an element to XYZ 10.2346, 7.8815, 2.4952 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(123, 63, 34) }
```


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

```
.border{ border-color:rgb(123, 63, 34) }
```

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

Here you see how a box with a 4 pixel rgb(123, 63, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 63, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 63, 34);  
box-shadow:4px 4px 4px 4px rgb(123, 63,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2346, 7.8815, 2.4952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 63, 34) }
```

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

```
.background{ background-color: rgb(123, 63,  
34) }
```

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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