

Converting Colors

XYZ(10.2111, 7.8948, 2.9932)

Have a look what the booklet for
XYZ(10.2111, 7.8948, 2.9932)
contains.

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Color

**XYZ(10.1865, 7.8458,
2.9850)**

Conversions

Conversions Part 1

Format	Color
Hex	7A3F28
RGB	122, 63, 40
RGB Percent	48%, 25%, 16%
CMY	0.5216, 0.7529, 0.8431
CMYK	0.00, 0.48, 0.67, 0.52
HSL	17°, 51%, 32%
HSV	17°, 67%, 48%
XYZ	10.1865, 7.8458, 2.9850
YIQ	78.0190, 42.5470, 5.3550

Conversions

Conversions Part 2

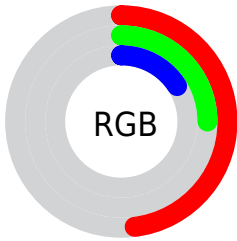
Format	Color
R_{YB}	122, 72, 40
Decimal	8011560
CIE Lab	33.66, 23.45, 25.31
CIE LCh	34, 34.507, 47.189
Yxy	7.8458, 0.4847, 0.3733
Android (android.graphics.Color)	4286201640 (0xFF7A3F28)
YUV	78.0190, -18.7434, 38.5713
Hunter-Lab	28.0104, 15.8968, 13.2888

Details

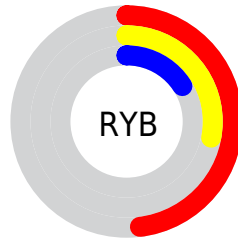
The XYZ color **10.1865, 7.8458, 2.9850** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **8.8493, 10.7791, 20.0262**, and the grayscale version is **7.2740, 7.6528, 8.3339**.

A 20% lighter version of the original color is **25.8340, 21.7252, 11.6359**, and **2.6705, 1.6978, 0.1870** is the 20% darker color. If you saturate the color by 10%, you get **9.5629, 6.8799, 1.9101**, and if you desaturate by 10%, it is **10.9536, 8.9938, 4.4312**.

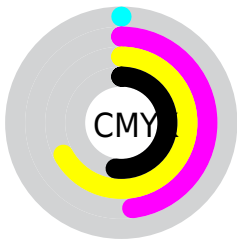
Distribution



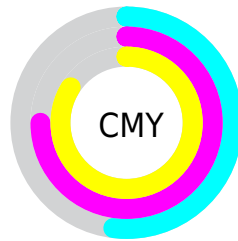
- Red (48%)
- Green (25%)
- Blue (16%)



- Red (48%)
- Yellow (28%)
- Blue (16%)



- Cyan (0%)
- Magenta (48%)
- Yellow (67%)
- Black (52%)





- Cyan (52%)
- Magenta (75%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.1865, 7.8458, 2.9850 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 10.1865, 7.8458, 2.9850 by changing the saturation by 10% instead.


 10.1865, 7.8458,
2.9850


 10.1865, 7.8458,
2.9850


186.0240,
174.5175, 136.1693


 5.5860, 3.9964,
1.0870

 25.7922, 21.6556,
11.5914


 2.6333, 1.6716,
0.0000


 37.5281, 32.3848,
19.1369

 0.9629, 0.4051,
0.0000

 52.3732, 46.1761,
29.4019

 0.0000, 0.0000,
0.0000

 70.6929, 63.4139,
42.8050

 92.8524, 84.4825,
59.7648

 119.2172,

109.7664, 80.6997

150.1526,
139.6499, 106.0284

10.1865, 7.8458,
2.9850

10.1865, 7.8458,
2.9850

9.5629, 6.8799,
1.9101

10.9536, 8.9938,
4.4312

9.0721, 6.0850,
1.1711

11.8726, 10.3318,
6.2790

8.6960, 5.4478,
0.6909

12.9519, 11.8686,
8.5557

8.6044, 5.2945,
0.5684

14.1991, 13.6121,
11.2864

15.6213, 15.5699,
14.4940

■ 17.2251, 17.7488,
18.2000

■ 19.0169, 20.1558,
22.4246

■ 21.0026, 22.7973,
27.1867

■ 23.1880, 25.6794,
32.5043

Harmonies

Analogous

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



11.4606, 7.8458, 5.8395



10.1865, 7.8458, 2.9850



8.2859, 7.8458, 1.9106

Triad

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



10.1865, 7.8458, 2.9850



4.4643, 7.8458, 6.4510



8.5746, 7.8458, 22.6973

Complementary

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



10.1865, 7.8458, 2.9850



8.8493, 10.7791, 20.0262

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.



6.6857, 7.8458, 23.0912



10.1865, 7.8458, 2.9850



4.5151, 7.8458, 11.9731

Square

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



10.1865, 7.8458, 2.9850



5.1120, 7.8458, 3.2704



5.2649, 7.8458, 18.5811



10.4282, 7.8458, 17.6602

Rectangle

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



10.1865, 7.8458, 2.9850



7.0149, 7.8458, 1.8465



5.2649, 7.8458, 18.5811



7.9177, 7.8458, 23.4343

Sweetspot

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



10.1867, 7.8462, 2.9851



26.6301, 26.2240, 23.5596



11.0914, 6.5778, 12.7754



5.9596, 5.8182, 5.0947



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.



10.1867, 7.8462, 2.9851



16.3012, 11.2655, 2.5462



13.2459, 13.9646, 4.0049



4.0814, 4.1813, 4.2164



9.0527, 5.5614, 0.5963



42.5499, 25.2633, 2.6337

Inverse Universe

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



8.8493, 10.7791, 20.0262



13.6977, 16.7106, 34.8964



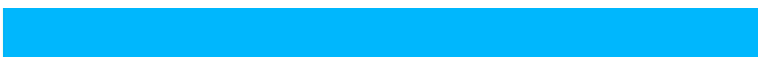
5.9588, 4.9980, 19.0627



4.0166, 4.3314, 5.0675



7.3460, 8.7744, 20.6917



34.2941, 40.3609, 98.4527

Previews

White Background



This preview shows how the XYZ color 10.1865, 7.8458, 2.9850 looks on a white background.

Color Contrast Check

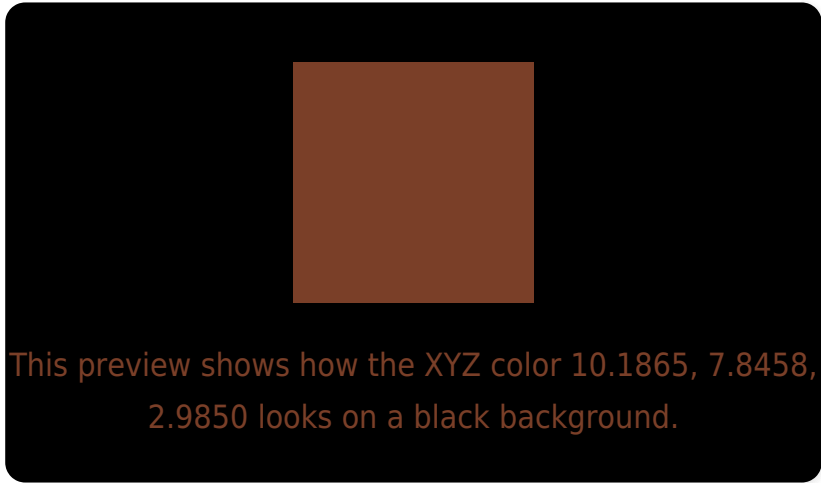
Large Text (above 18pt) WCAG AA ✓ Pass

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

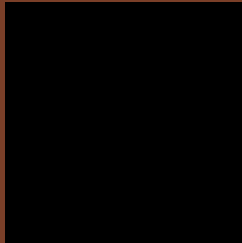
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.1865, 7.8458, 2.9850

Background



This preview shows how black text looks on a background with the XYZ color 10.1865, 7.8458, 2.9850.



This preview shows how white text looks on a background with the XYZ color 10.1865, 7.8458,

2.9850.

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

10.1865, 7.8458, 2.9850

Protanopia

7.3863, 8.0093, 3.7414

Deuteranopia

8.0640, 7.9551, 2.8607



Tritanopia

10.7097, 7.8128, 5.7941

Trichromacy



Original Color

10.1865, 7.8458, 2.9850

Protanomaly

8.1589, 7.7887, 3.4562

Deuteranomaly

8.6665, 7.7722, 2.8771

Tritanomaly

10.5267, 7.8243, 4.5698

Monochromacy



Original Color

10.1865, 7.8458, 2.9850

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

7.9241, 7.5149, 5.8834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1865, 7.8458, 2.9850 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(122, 63, 40)` looks like.

```
.text, #text, p{  
    color:rgb(122, 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(122, 63, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 63, 40) }
```

Border

The CSS property to change the border of an element to XYZ 10.1865, 7.8458, 2.9850 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(122, 63, 40) }
```


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

```
.border{ border-color:rgb(122, 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(122, 63, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 63, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 63, 40);  
box-shadow:4px 4px 4px 4px rgb(122, 63,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1865, 7.8458, 2.9850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 63, 40) }
```

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

```
.background{ background-color: rgb(122, 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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