

Converting Colors

XYZ(7.8100, 7.7568, 1.2866)

Have a look what the booklet for
XYZ(7.8100, 7.7568, 1.2866)
contains.

XYZ(7.8100, 7.7568, 1.2866)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

XYZ(7.8100, 7.7568, 1.2866)

Conversions

Conversions Part 1

Format	Color
Hex	644B07
RGB	100, 75, 7
RGB Percent	39%, 29%, 3%
CMY	0.6078, 0.7059, 0.9725
CMYK	0.00, 0.25, 0.93, 0.61
HSL	44°, 87%, 21%
HSV	44°, 93%, 39%
XYZ	7.8100, 7.7568, 1.2866
YIQ	74.7230, 36.7280, -15.8480

Conversions

Conversions Part 2

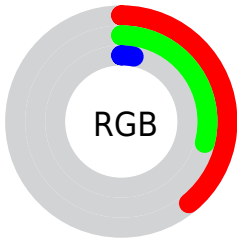
Format	Color
RYB	41, 100, 7
Decimal	6572807
CIELab	33.47, 4.14, 39.74
CIELCh	33, 39.956, 84.058
Yxy	7.7568, 0.4634, 0.4603
Android (android.graphics.Color)	4284762887 (0xFF644B07)
YUV	74.7230, -33.3874, 22.1679
Hunter-Lab	27.8510, 1.3158, 16.7568

Details

The XYZ color **7.8100, 7.7568, 1.2866** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **2.9045, 1.9984, 12.2893**, and the grayscale version is **6.6917, 7.0402, 7.6667**.

A 20% lighter version of the original color is **21.1731, 21.3414, 7.0064**, and **1.7831, 1.6860, 0.2314** is the 20% darker color. If you saturate the color by 10%, you get **7.6460, 7.4902, 1.0428**, and if you desaturate by 10%, it is **8.0592, 8.1547, 1.6797**.

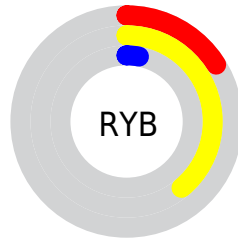
Distribution



Red (39%)

Green (29%)

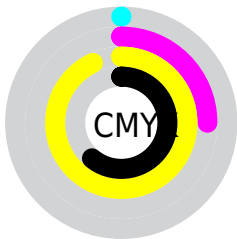
Blue (3%)



Red (16%)

Yellow (39%)

Blue (3%)

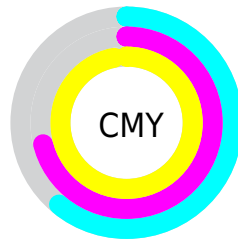


Cyan (0%)

Magenta (25%)

Yellow (93%)

Black (61%)



Cyan (61%)

Magenta (71%)

Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 7.8100, 7.7568, 1.2866 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 7.8100, 7.7568, 1.2866 by changing the saturation by 10% instead.


 7.8100, 7.7568,
1.2866


 7.8100, 7.7568,
1.2866


 168.6364,
173.8118, 110.0734


 4.0244, 3.9397,
0.0508

 21.2741, 21.4803,
6.9781


 1.7159, 1.6399,
0.0000


 31.6833, 32.1555,
12.5289

 0.4662, 0.3843,
0.0000

 45.0311, 45.8855,
20.4412


 0.0000, 0.0000,
0.0000

 61.6829, 63.0547,
31.1335


 82.0039, 84.0476,
45.0243


 106.3596,


109.2485, 62.5322


 135.1153,
139.0418, 84.0757


 7.8100, 7.7568,
1.2866


 7.8100, 7.7568,
1.2866


 7.6460, 7.4902,
1.0428

 8.0592, 8.1547,
1.6797

 8.3499, 8.5814,
2.2534

 8.6879, 9.0396,
3.0375

 9.0769, 9.5311,
4.0509

 9.5203, 10.0571,
5.3108

■ 10.0210, 10.6192,
6.8323

■ 10.5818, 11.2184,
8.6294

■ 11.2052, 11.8560,
10.7154

■ 11.8937, 12.5331,
13.1024

Harmonies

Analogous

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



10.0826, 7.7568, 2.0201



7.8100, 7.7568, 1.2866



5.8089, 7.7568, 1.5827

Triad

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



7.8100, 7.7568, 1.2866



4.1988, 7.7568, 14.2673



11.2627, 7.7568, 17.5038

Complementary

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



7.8100, 7.7568, 1.2866



2.9045, 1.9984, 12.2893

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.



9.1945, 7.7568, 24.5810



7.8100, 7.7568, 1.2866



5.1977, 7.7568, 22.1605

Square

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



7.8100, 7.7568, 1.2866



3.9710, 7.7568, 7.2758



6.9519, 7.7568, 26.6060



12.3107, 7.7568, 9.7351

Rectangle

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



7.8100, 7.7568, 1.2866



4.8499, 7.7568, 2.4654



6.9519, 7.7568, 26.6060



10.6464, 7.7568, 20.1691

Sweetspot

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



7.8102, 7.7572, 1.2867



17.9657, 19.0474, 13.2339



5.6110, 2.9732, 1.7430



4.3456, 4.6057, 3.0190



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



7.8102, 7.7572, 1.2867



13.3141, 12.9509, 1.7980



7.8913, 10.8287, 1.8753



2.9812, 3.1499, 3.0253



10.2004, 9.9538, 1.3837



52.4522, 50.4183, 6.9672

Inverse Universe

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



2.9045, 1.9984, 12.2893



4.6324, 2.8126, 21.4354



2.8323, 1.3072, 12.1597



2.7471, 2.8723, 3.5416



3.5661, 2.2039, 16.3818



17.9616, 10.2199, 85.2274

Previews

White Background



This preview shows how the XYZ color 7.8100, 7.7568, 1.2866 looks on a white background.

Color Contrast Check

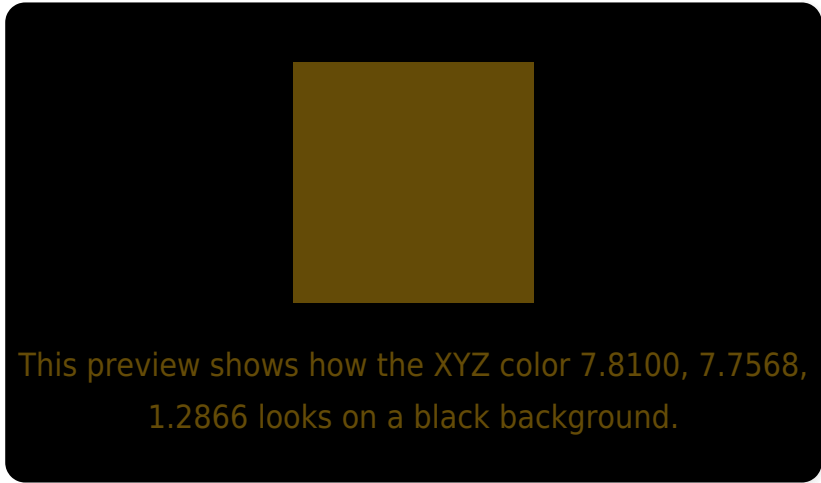
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.8100, 7.7568, 1.2866

Background



This preview shows how black text looks on a background with the XYZ color 7.8100, 7.7568, 1.2866.



This preview shows how white text looks on a background with the XYZ color 7.8100, 7.7568, 1.2866.

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

7.8100, 7.7568, 1.2866

Protanopia

6.9651, 7.7355, 1.3845

Deuteranopia

7.8100, 7.7568, 1.2866



Tritanopia

9.1691, 7.8314, 7.6850

Trichromacy



Original Color

7.8100, 7.7568, 1.2866

Protanomaly

7.2824, 7.7935, 1.3502

Deuteranomaly

7.8100, 7.7568, 1.2866

Tritanomaly

8.4866, 7.7486, 4.0659

Monochromacy



Original Color

7.8100, 7.7568, 1.2866

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

6.7480, 7.1473, 4.0415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.8100, 7.7568, 1.2866 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(100, 75, 7)` looks like.

```
.text, #text, p{  
    color:rgb(100, 75, 7)  
}
```

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(100, 75, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 75, 7) }
```

Border

The CSS property to change the border of an element to XYZ 7.8100, 7.7568, 1.2866 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(100, 75, 7) }
```

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

```
.border{ border-color:rgb(100, 75, 7) }
```

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

Here you see how a box with a 4 pixel rgb(100, 75, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 75, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 75, 7);  
box-shadow:4px 4px 4px 4px rgb(100, 75, 7)  
}
```


Background

The CSS property to change the background color of an element to XYZ 7.8100, 7.7568, 1.2866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 75, 7) }
```

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

```
.background{ background-color: rgb(100, 75,  
7) }
```

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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