

Converting Colors

XYZ(12.6933, 9.8490, 7.3631)

Have a look what the booklet for
XYZ(12.6933, 9.8490, 7.3631)
contains.

XYZ(12.6930, 9.8484, 7.3628)	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(12.6930, 9.8484,
7.3628)**

Conversions

Conversions Part 1

Format	Color
Hex	824848
RGB	130, 72, 72
RGB Percent	51%, 28%, 28%
CMY	0.4902, 0.7176, 0.7176
CMYK	0.00, 0.45, 0.45, 0.49
HSL	0°, 29%, 40%
HSV	0°, 45%, 51%
XYZ	12.6930, 9.8484, 7.3628
YIQ	89.3420, 34.5680, 12.2960

Conversions

Conversions Part 2

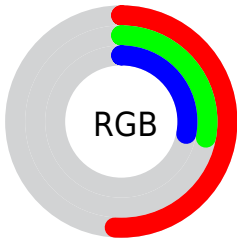
Format	Color
R_{YB}	130, 72, 72
Decimal	8538184
CIE Lab	37.57, 24.67, 10.88
CIE LCh	38, 26.963, 23.796
Yxy	9.8484, 0.4245, 0.3293
Android (android.graphics.Color)	4286728264 (0xFF824848)
YUV	89.3420, -8.5496, 35.6571
Hunter-Lab	31.3822, 17.2783, 8.0570

Details

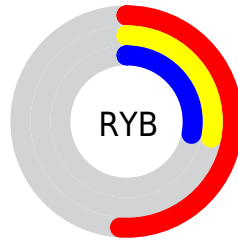
The XYZ color **12.6930, 9.8484, 7.3628** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **14.6841, 18.9540, 24.0037**, and the grayscale version is **9.5846, 10.0837, 10.9812**.

A 20% lighter version of the original color is **30.3573, 25.5894, 21.1085**, and **3.7331, 2.4472, 1.4380** is the 20% darker color. If you saturate the color by 10%, you get **11.5596, 8.1900, 5.1093**, and if you desaturate by 10%, it is **14.0944, 11.8992, 10.1483**.

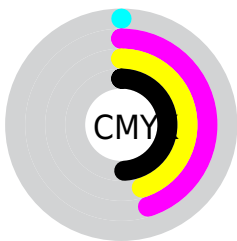
Distribution



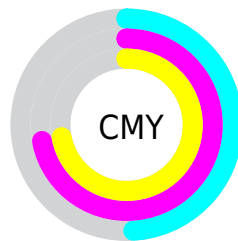
- Red (51%)
- Green (28%)
- Blue (28%)



- Red (51%)
- Yellow (28%)
- Blue (28%)



- Cyan (0%)
- Magenta (45%)
- Yellow (45%)
- Black (49%)



- Cyan (49%)
- Magenta (72%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6930, 9.8484, 7.3628 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 12.6930, 9.8484, 7.3628 by changing the saturation by 10% instead.

12.6930, 9.8484,
7.3628

12.6930, 9.8484,
7.3628

202.6183,
189.5866, 180.3889

7.2930, 5.2986,
3.6081

30.3572, 25.5100,
21.2246

3.6940, 2.4235,
1.4129

43.3521, 37.3905,
32.1688

1.5305, 0.8379,
0.1518

59.6093, 52.4833,
46.3467

0.3464, 0.0000,
0.0000

79.4943, 71.1729,
64.1767

0.0000, 0.0000,
0.0000

103.3723, 93.8437,
86.0773

131.6087,

120.8799, 112.4672

164.5689,
152.6661, 143.7649

■ 12.6930, 9.8484,
7.3628

■ 12.6930, 9.8484,
7.3628

■ 11.5596, 8.1900,
5.1093

■ 14.0944, 11.8992,
10.1483

■ 10.6763, 6.8975,
3.3534

■ 15.7785, 14.3635,
13.4962

■ 10.0245, 5.9437,
2.0578


■ 17.7598, 17.2628,
17.4351


■ 9.5825, 5.2969,
1.1792


■ 20.0518, 20.6166,
21.9915

■ 9.3204, 4.9133,
0.6581


■ 22.6670, 24.4434,
27.1905

 9.2060, 4.7460,
0.4309

 25.6173, 28.7604,
33.0555

 28.9139, 33.5842,
39.6091

 32.5675, 38.9305,
46.8725

 36.5884, 44.8142,
54.8661

Harmonies

Analogous

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



13.0137, 9.8484, 11.7705



12.6930, 9.8484, 7.3628



11.4341, 9.8484, 4.7901

Triad

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



12.6930, 9.8484, 7.3628



6.9561, 9.8484, 6.0777



9.0107, 9.8484, 23.0312

Complementary

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



12.6930, 9.8484, 7.3628



14.6841, 18.9540, 24.0037

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.



7.5543, 9.8484, 20.2266



12.6930, 9.8484, 7.3628



6.4644, 9.8484, 9.7400

Square

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



12.6930, 9.8484, 7.3628



8.0989, 9.8484, 4.2212



6.6694, 9.8484, 14.9763



10.7470, 9.8484, 21.8158

Rectangle

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



12.6930, 9.8484, 7.3628



10.3058, 9.8484, 3.9969



6.6694, 9.8484, 14.9763



8.4750, 9.8484, 22.5058

Sweetspot

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



12.6933, 9.8489, 7.3630



31.7776, 31.1344, 31.7008



15.5526, 10.9923, 22.4212



7.0302, 6.8094, 6.8523



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.6933, 9.8489, 7.3630



20.2503, 14.2666, 8.7852



15.0294, 14.5212, 8.1417



4.3278, 4.3443, 4.5306



8.8271, 4.5507, 0.4131



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.6841, 18.9540, 24.0037



24.2475, 32.5480, 42.1969



11.3555, 12.2969, 22.8942



4.4464, 4.8869, 5.5222



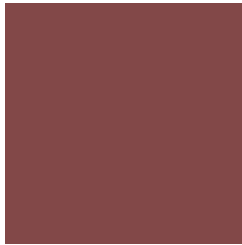
11.5167, 16.8519, 22.8957



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.6930, 9.8484, 7.3628 looks on a white background.

Color Contrast Check

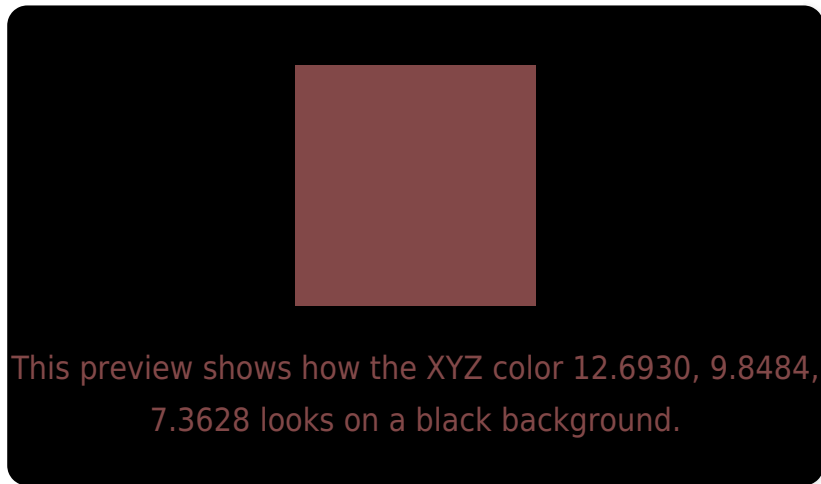
Large Text (above 18pt) WCAG AA ✓ Pass

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

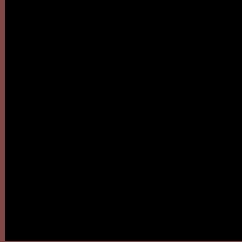
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6930, 9.8484, 7.3628

Background



This preview shows how black text looks on a background with the XYZ color 12.6930, 9.8484, 7.3628.



This preview shows how white text looks on a background with the XYZ color 12.6930, 9.8484,

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

12.6930, 9.8484, 7.3628

Protanopia

9.5345, 10.0511, 9.0269

Deuteranopia

10.0629, 9.8823, 7.1714



Tritanopia

12.7637, 9.7741, 8.0513

Trichromacy



Original Color

12.6930, 9.8484, 7.3628

Protanomaly

10.3767, 9.7865, 8.3633

Deuteranomaly

10.8160, 9.7030, 7.2640

Tritanomaly

12.7292, 9.7603, 7.8696

Monochromacy



Original Color

12.6930, 9.8484, 7.3628

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.3635, 9.7541, 9.5201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6930, 9.8484, 7.3628 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(130, 72, 72)` looks like.

```
.text, #text, p{  
    color:rgb(130, 72, 72)  
}
```

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(130, 72, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 72, 72) }
```

Border

The CSS property to change the border of an element to XYZ 12.6930, 9.8484, 7.3628 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(130, 72, 72) }
```


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

```
.border{ border-color:rgb(130, 72, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 72, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 72, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 72, 72);  
box-shadow:4px 4px 4px 4px rgb(130, 72,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6930, 9.8484, 7.3628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 72, 72) }
```

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

```
.background{ background-color: rgb(130, 72,  
72) }
```

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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