

Converting Colors

XYZ(11.3462, 7.6928, 2.9847)

Have a look what the booklet for
XYZ(11.3462, 7.6928, 2.9847)
contains.

XYZ(11.3462, 7.6928, 2.9847)	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(11.3462, 7.6928,
2.9847)**

Conversions

Conversions Part 1

Format	Color
Hex	853529
RGB	133, 53, 41
RGB Percent	52%, 21%, 16%
CMY	0.4784, 0.7921, 0.8392
CMYK	0.00, 0.60, 0.69, 0.48
HSL	8°, 53%, 34%
HSV	8°, 69%, 52%
XYZ	11.3462, 7.6928, 2.9847
YIQ	75.5520, 51.5320, 13.2280

Conversions

Conversions Part 2

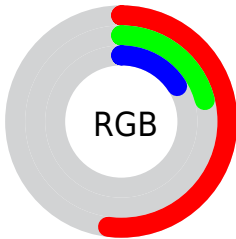
Format	Color
R_{YB}	133, 55, 41
Decimal	8729897
CIE _{Lab}	33.33, 33.54, 24.76
CIE _{LCh}	33, 41.689, 36.430
Yxy	7.6928, 0.5152, 0.3493
Android (android.graphics.Color)	4286919977 (0xFF853529)
YUV	75.5520, -17.0341, 50.3819
Hunter-Lab	27.7359, 24.4830, 13.0348

Details

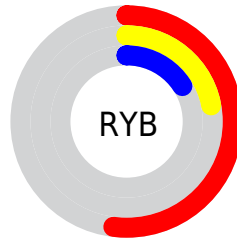
The XYZ color **11.3462, 7.6928, 2.9847** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **11.9850, 15.8387, 24.6157**, and the grayscale version is **6.8115, 7.1662, 7.8040**.

A 20% lighter version of the original color is **28.0564, 21.4650, 11.6812**, and **3.1527, 1.6414, 0.1507** is the 20% darker color. If you saturate the color by 10%, you get **10.6871, 6.6854, 1.8071**, and if you desaturate by 10%, it is **12.2114, 8.9870, 4.6182**.

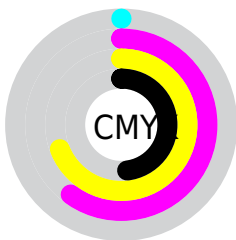
Distribution



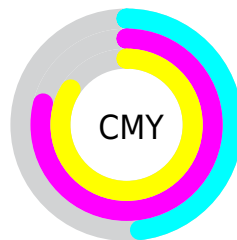
- Red (52%)
- Green (21%)
- Blue (16%)



- Red (52%)
- Yellow (22%)
- Blue (16%)



- Cyan (0%)
- Magenta (60%)
- Yellow (69%)
- Black (48%)



- Cyan (48%)
- Magenta (79%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.3462, 7.6928, 2.9847 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 11.3462, 7.6928, 2.9847 by changing the saturation by 10% instead.

■ 11.3462, 7.6928,
2.9847

■ 11.3462, 7.6928,
2.9847

193.8872,
173.3023, 136.1655

■ 6.3692, 3.8990,
1.0868

■ 27.9259, 21.3540,
11.5907

■ 3.1136, 1.6172,
0.0000

■ 40.2593, 31.9901,
19.1358

■ 1.2141, 0.3692,
0.0000

■ 55.7756, 45.6759,
29.4005

■ 0.1175, 0.0000,
0.0000

■ 74.8401, 62.7956,
42.8032

■ 0.0000, 0.0000,
0.0000

■ 97.8181, 83.7337,
59.7626

■ 125.0751,

108.8746, 80.6970

156.9763,
138.6027, 106.0252

11.3462, 7.6928,
2.9847

11.3462, 7.6928,
2.9847

10.6871, 6.6854,
1.8071

12.2114, 8.9870,
4.6182

10.2160, 5.9416,
1.0383

13.2977, 10.5863,
6.7477

9.9002, 5.4317,
0.5582

14.6193, 12.5091,
9.4091

9.8788, 5.3985,
0.5213

16.1890, 14.7719,
12.6350

18.0188, 17.3900,
16.4554

■ 20.1196, 20.3778,
20.8981

■ 22.5021, 23.7489,
25.9891

■ 25.1761, 27.5163,
31.7532

■ 28.1511, 31.6924,
38.2135

Harmonies

Analogous

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



12.4716, 7.6928, 7.0713



11.3462, 7.6928, 2.9847



9.1697, 7.6928, 1.3995

Triad

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



11.3462, 7.6928, 2.9847



4.0361, 7.6928, 4.3535



7.8040, 7.6928, 27.5425

Complementary

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



11.3462, 7.6928, 2.9847



11.9850, 15.8387, 24.6157

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.



5.7235, 7.6928, 25.4946



11.3462, 7.6928, 2.9847



3.8169, 7.6928, 9.8324

Square

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



11.3462, 7.6928, 2.9847



5.0439, 7.6928, 1.8610



4.3689, 7.6928, 18.0247



10.1743, 7.6928, 22.7064

Rectangle

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



11.3462, 7.6928, 2.9847



7.5829, 7.6928, 1.1166



4.3689, 7.6928, 18.0247



7.0472, 7.6928, 27.6611

Sweetspot

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



11.3464, 7.6932, 2.9848



31.4704, 30.0035, 27.7942



13.9952, 7.9842, 19.3025



6.9156, 6.5103, 5.8969



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



11.3464, 7.6932, 2.9848



18.6174, 11.1559, 2.3657



14.4159, 13.8322, 4.0080



4.7180, 4.7795, 4.9032



9.4135, 5.1497, 0.4978



0.0355, 0.0237, 0.0027

Inverse Universe

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



11.9850, 15.8387, 24.6157



19.7604, 26.6179, 43.8347



7.7510, 7.3707, 23.2044



4.7512, 5.1780, 5.9498



9.9469, 13.4416, 23.2069



0.0380, 0.0537, 0.0816

Previews

White Background



This preview shows how the XYZ color 11.3462, 7.6928, 2.9847 looks on a white background.

Color Contrast Check

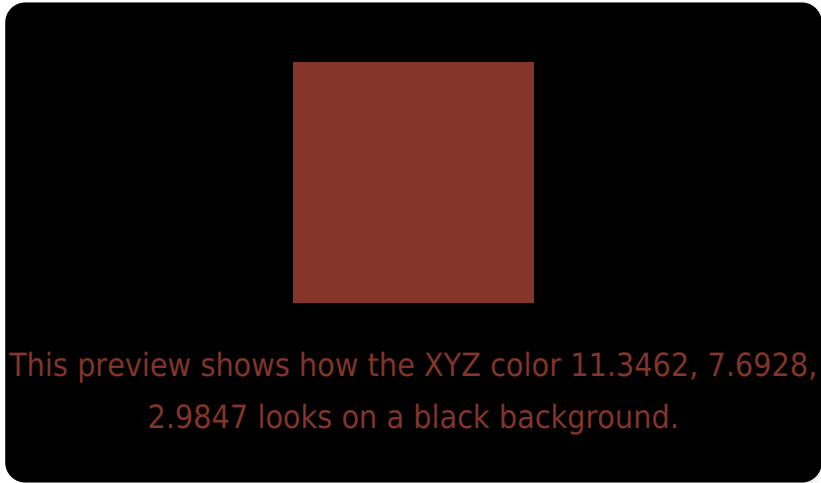
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.3462, 7.6928, 2.9847

Background



This preview shows how black text looks on a background with the XYZ color 11.3462, 7.6928, 2.9847.



This preview shows how white text looks on a background with the XYZ color 11.3462, 7.6928,

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

11.3462, 7.6928, 2.9847

Protanopia

7.2095, 7.8007, 4.1433

Deuteranopia

7.8870, 7.7624, 2.8329



Tritanopia

11.6812, 7.7023, 4.3611

Trichromacy



Original Color

11.3462, 7.6928, 2.9847

Protanomaly

8.2968, 7.4691, 3.6937

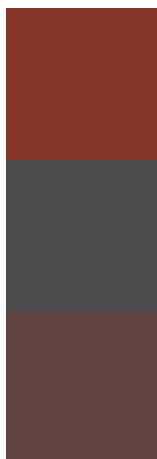
Deuteranomaly

8.9126, 7.5338, 2.8181

Tritanomaly

11.6139, 7.7461, 3.7888

Monochromacy



Original Color

11.3462, 7.6928, 2.9847

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

7.8941, 7.0345, 5.6444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.3462, 7.6928, 2.9847 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(133, 53, 41)` looks like.

```
.text, #text, p{  
    color:rgb(133, 53, 41)  
}
```

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(133, 53, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 53, 41) }
```

Border

The CSS property to change the border of an element to XYZ 11.3462, 7.6928, 2.9847 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(133, 53, 41) }
```


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

```
.border{ border-color:rgb(133, 53, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 53, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 53, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 53, 41);  
box-shadow:4px 4px 4px 4px rgb(133, 53,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 11.3462, 7.6928, 2.9847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 53, 41) }
```

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

```
.background{ background-color: rgb(133, 53,  
41) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor