

Converting Colors

XYZ(12.2872, 7.5363, 2.7057)

Have a look what the booklet for
XYZ(12.2872, 7.5363, 2.7057)
contains.

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Color

**XYZ(12.3495, 7.5532,
2.7265)**

Conversions

Conversions Part 1

Format	Color
Hex	8E2A27
RGB	142, 42, 39
RGB Percent	56%, 16%, 15%
CMY	0.4431, 0.8353, 0.8471
CMYK	0.00, 0.70, 0.73, 0.44
HSL	2°, 57%, 35%
HSV	2°, 73%, 56%
XYZ	12.3495, 7.5532, 2.7265
YIQ	71.5580, 60.5630, 20.2670

Conversions

Conversions Part 2

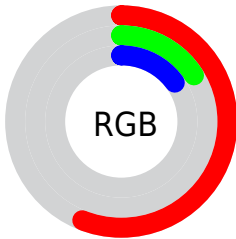
Format	Color
R_{YB}	142, 42, 39
Decimal	9316903
CIE _{Lab}	33.03, 41.89, 26.03
CIE _{LCh}	33, 49.318, 31.857
Yxy	7.5532, 0.5457, 0.3338
Android (android.graphics.Color)	4287506983 (0xFF8E2A27)
YUV	71.5580, -16.0511, 61.7776
Hunter-Lab	27.4831, 32.1134, 13.3562

Details

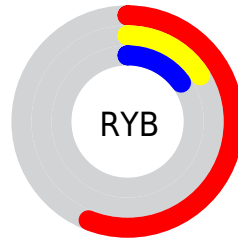
The XYZ color **12.3495, 7.5532, 2.7265** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **14.9508, 20.8477, 28.8270**, and the grayscale version is **6.1037, 6.4215, 6.9931**.

A 20% lighter version of the original color is **29.6903, 21.0630, 10.8882**, and **3.7463, 1.9313, 0.1753** is the 20% darker color. If you saturate the color by 10%, you get **11.7491, 6.6611, 1.5750**, and if you desaturate by 10%, it is **13.2066, 8.8179, 4.3984**.

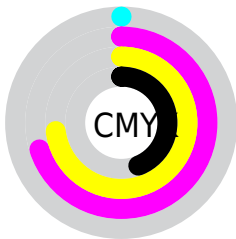
Distribution



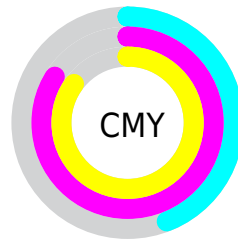
- Red (56%)
- Green (16%)
- Blue (15%)



- Red (56%)
- Yellow (16%)
- Blue (15%)



- Cyan (0%)
- Magenta (70%)
- Yellow (73%)
- Black (44%)




- Cyan (44%)
- Magenta (84%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3495, 7.5532, 2.7265 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 12.3495, 7.5532, 2.7265 by changing the saturation by 10% instead.


 12.3495, 7.5532,
2.7265


 12.3495, 7.5532,
2.7265


200.4286,
172.1843, 132.7972


 7.0561, 3.8104,
0.9567


 29.7414, 21.0778,
10.9458


 3.5438, 1.5681,
0.0000

 42.5706, 31.6283,
18.2323


 1.4474, 0.3359,
0.0000

 58.6425, 45.2169,
28.1949

 0.2897, 0.0000,
0.0000

 78.3223, 62.2279,
41.2521

 0.0000, 0.0000,
0.0000

 101.9755, 83.0458,
57.8224

 129.9673,

108.0549, 78.3243

162.6632,
137.6396, 103.1764

12.3495, 7.5532,
2.7265

12.3495, 7.5532,
2.7265

11.7491, 6.6611,
1.5750

13.2066, 8.8179,
4.3984

11.3763, 6.0999,
0.8824

14.3443, 10.4885,
6.6419

11.2002, 5.8407,
0.5371

15.7842, 12.5961,
9.5026

17.5459, 15.1685,
13.0213

19.6470, 18.2311,
17.2354

■ 22.1042, 21.8075,
22.1796

■ 24.9329, 25.9197,
27.8859

■ 28.1476, 30.5885,
34.3849

■ 31.7620, 35.8336,
41.7051

Harmonies

Analogous

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



13.4645, 7.5532, 7.7665



12.3495, 7.5532, 2.7265



9.8200, 7.5532, 0.9416

Triad

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



12.3495, 7.5532, 2.7265



3.5969, 7.5532, 3.1321



7.3432, 7.5532, 32.6267

Complementary

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



12.3495, 7.5532, 2.7265



14.9508, 20.8477, 28.8270

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.



5.0600, 7.5532, 28.5628



12.3495, 7.5532, 2.7265



3.2366, 7.5532, 8.6995

Square

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



12.3495, 7.5532, 2.7265



4.8399, 7.5532, 1.0561



3.7007, 7.5532, 18.3997



10.1717, 7.5532, 27.5064

Rectangle

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



12.3495, 7.5532, 2.7265



7.9147, 7.5532, 0.5688



3.7007, 7.5532, 18.3997



6.4905, 7.5532, 32.2832

Sweetspot

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



12.3497, 7.5536, 2.7266



34.6771, 32.1944, 30.4558



16.6353, 9.1036, 25.8008



7.5403, 6.8922, 6.3909



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.3497, 7.5536, 2.7266



20.2629, 11.0623, 1.9242



15.3674, 13.5891, 3.7325



5.4207, 5.4477, 5.6552



10.0586, 5.2490, 0.4830



0.0982, 0.0542, 0.0053

Inverse Universe

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



14.9508, 20.8477, 28.8270



25.0911, 35.8519, 50.7255



9.2736, 9.4931, 26.9346



5.5470, 6.0897, 6.9118



12.5277, 18.0414, 25.7991



0.1225, 0.1780, 0.2476

Previews

White Background



This preview shows how the XYZ color 12.3495, 7.5532, 2.7265 looks on a white background.

Color Contrast Check

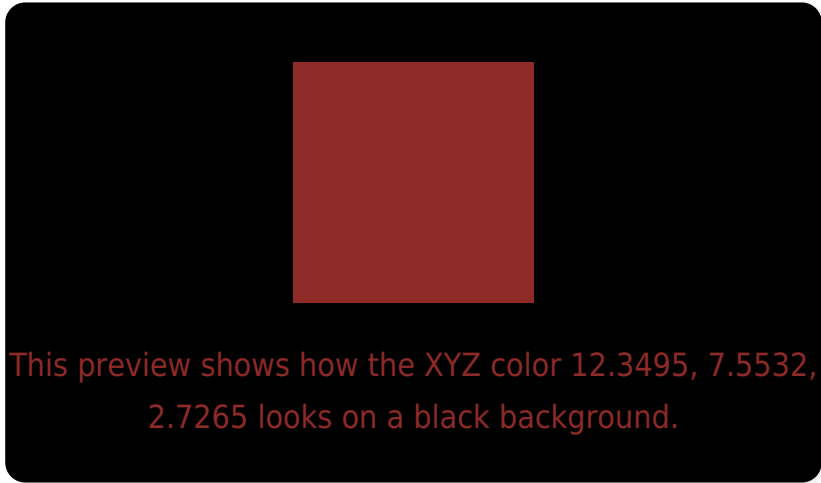
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3495, 7.5532, 2.7265

Background



This preview shows how black text looks on a background with the XYZ color 12.3495, 7.5532, 2.7265.

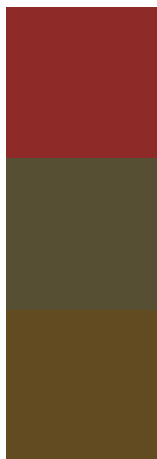


This preview shows how white text looks on a background with the XYZ color 12.3495, 7.5532,

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

12.3495, 7.5532, 2.7265

Protanopia

7.2313, 7.8094, 4.2582

Deuteranopia

7.8276, 7.7386, 2.5200



Tritanopia

12.3843, 7.5111, 3.0826

Trichromacy



Original Color

12.3495, 7.5532, 2.7265

Protanomaly

8.4052, 7.1658, 3.6295

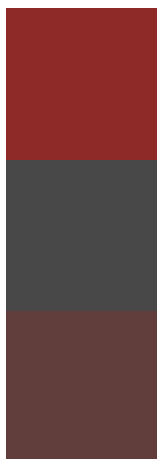
Deuteranomaly

9.0203, 7.2538, 2.5148

Tritanomaly

12.3662, 7.5038, 2.9871

Monochromacy



Original Color

12.3495, 7.5532, 2.7265

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

7.4141, 6.2051, 5.0819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3495, 7.5532, 2.7265 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(142, 42, 39)` looks like.

```
.text, #text, p{  
  color:rgb(142, 42, 39)  
}
```

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(142, 42, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 42, 39) }
```

Border

The CSS property to change the border of an element to XYZ 12.3495, 7.5532, 2.7265 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(142, 42, 39) }
```


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

```
.border{ border-color:rgb(142, 42, 39) }
```

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

Here you see how a box with a 4 pixel rgb(142, 42, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 42, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 42, 39);  
box-shadow:4px 4px 4px 4px rgb(142, 42,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3495, 7.5532, 2.7265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 42, 39) }
```

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

```
.background{ background-color: rgb(142, 42,  
39) }
```

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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