

Converting Colors

XYZ(12.1490, 8.7806, 3.2197)

Have a look what the booklet for
XYZ(12.1490, 8.7806, 3.2197)
contains.

XYZ(12.1322, 8.7633, 3.2425)	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(12.1322, 8.7633,
3.2425)**

Conversions

Conversions Part 1

Format	Color
Hex	873E2A
RGB	135, 62, 42
RGB Percent	53%, 24%, 16%
CMY	0.4706, 0.7568, 0.8353
CMYK	0.00, 0.54, 0.69, 0.47
HSL	13°, 53%, 35%
HSV	13°, 69%, 53%
XYZ	12.1322, 8.7633, 3.2425
YIQ	81.5470, 49.9280, 9.2560

Conversions

Conversions Part 2

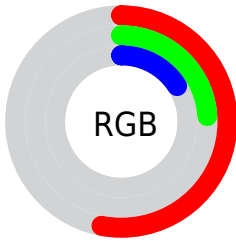
Format	Color
R_{YB}	135, 67, 42
Decimal	8863274
CIE _{Lab}	35.52, 29.66, 26.84
CIE _{LCh}	36, 40.005, 42.144
Yxy	8.7633, 0.5026, 0.3630
Android (android.graphics.Color)	4287053354 (0xFF873E2A)
YUV	81.5470, -19.4967, 46.8783
Hunter-Lab	29.6029, 21.3500, 14.2278

Details

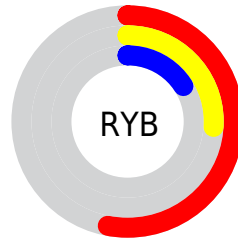
The XYZ color **12.1322, 8.7633, 3.2425** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **11.4582, 14.5019, 25.1168**, and the grayscale version is **7.9605, 8.3750, 9.1204**.

A 20% lighter version of the original color is **29.1841, 23.2799, 12.1878**, and **3.4653, 2.0195, 0.2072** is the 20% darker color. If you saturate the color by 10%, you get **11.4090, 7.6406, 2.0037**, and if you desaturate by 10%, it is **13.0496, 10.1443, 4.9479**.

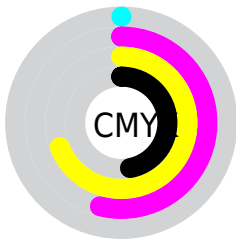
Distribution



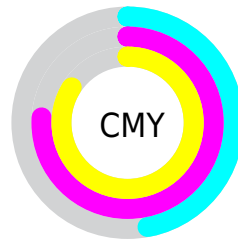
- Red (53%)
- Green (24%)
- Blue (16%)



- Red (53%)
- Yellow (26%)
- Blue (16%)



- Cyan (0%)
- Magenta (54%)
- Yellow (69%)
- Black (47%)



- Cyan (47%)
- Magenta (76%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1322, 8.7633, 3.2425 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 12.1322, 8.7633, 3.2425 by changing the saturation by 10% instead.

■ 12.1322, 8.7633,
3.2425

■ 12.1322, 8.7633,
3.2425

199.0306,
181.6022, 139.3917

■ 6.9066, 4.5871,
1.2198

■ 29.3504, 23.4418,
12.2212

■ 3.4496, 2.0071,
0.0000

■ 42.0738, 34.7129,
20.0142

■ 1.3957, 0.6116,
0.0000

■ 58.0271, 49.1177,
30.5677

■ 0.2532, 0.0000,
0.0000

■ 77.5757, 67.0407,
44.3003

■ 0.0000, 0.0000,
0.0000

■ 101.0850, 88.8663,
61.6304

■ 128.9204,

114.9788, 82.9767

161.4471,
145.7626, 108.7576

12.1322, 8.7633,
3.2425

12.1322, 8.7633,
3.2425

11.4090, 7.6406,
2.0037

13.0496, 10.1443,
4.9479

10.8643, 6.7583,
1.1838

14.1741, 11.7972,
7.1603

10.4696, 6.0937,
0.6675

15.5180, 13.7363,
9.9163

10.4319, 6.0315,
0.6144

17.0925, 15.9745,
13.2489

18.9080, 18.5239,
17.1885

■ 20.9742, 21.3958,
21.7633

■ 23.3003, 24.6010,
26.9997

■ 25.8952, 28.1499,
32.9228

■ 28.7670, 32.0523,
39.5562

Harmonies

Analogous

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



13.5500, 8.7633, 7.0787



12.1322, 8.7633, 3.2425



9.7870, 8.7633, 1.7798

Triad

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



12.1322, 8.7633, 3.2425



4.7376, 8.7633, 6.1098



9.3125, 8.7633, 28.5063

Complementary

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



12.1322, 8.7633, 3.2425



11.4582, 14.5019, 25.1168

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.



7.0239, 8.7633, 27.8222



12.1322, 8.7633, 3.2425



4.6583, 8.7633, 12.5186

Square

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



12.1322, 8.7633, 3.2425



5.6594, 8.7633, 2.8200



5.4178, 8.7633, 21.0683



11.7292, 8.7633, 22.6463

Rectangle

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



12.1322, 8.7633, 3.2425



8.1620, 8.7633, 1.5874



5.4178, 8.7633, 21.0683



8.4988, 8.7633, 29.0899

Sweetspot

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



12.1324, 8.7638, 3.2427



32.9791, 31.9398, 28.8531



13.9953, 8.0771, 17.4666



7.4555, 7.1415, 6.2859



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.1324, 8.7638, 3.2427



19.8125, 12.6898, 2.6275



15.6776, 15.8543, 4.4244



4.7478, 4.8392, 4.9132



9.6282, 5.5790, 0.5694



0.0379, 0.0284, 0.0035

Inverse Universe

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



11.4582, 14.5019, 25.1168



18.4192, 23.5169, 44.6168



7.5119, 6.6093, 23.8013



4.7189, 5.1134, 5.9390



8.7915, 11.1308, 22.8218



0.0357, 0.0490, 0.0808

Previews

White Background



This preview shows how the XYZ color 12.1322, 8.7633, 3.2425 looks on a white background.

Color Contrast Check

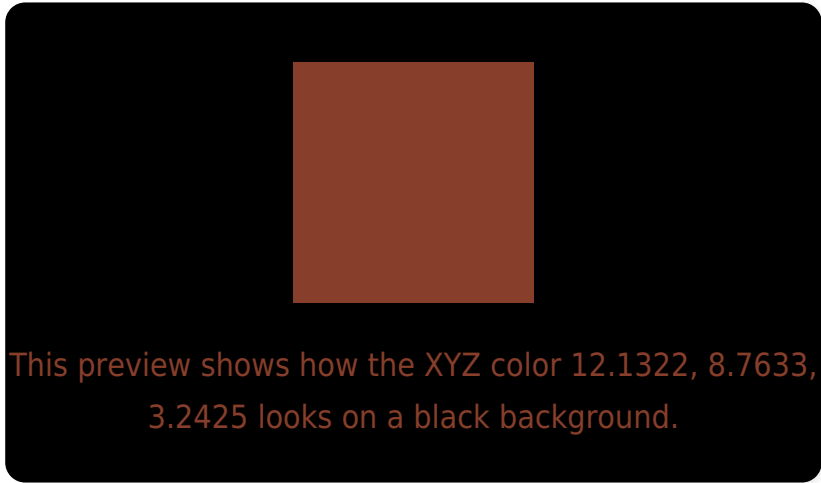
Large Text (above 18pt) WCAG AA ✓ Pass

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

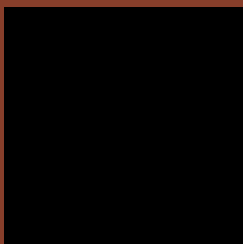
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1322, 8.7633, 3.2425

Background



This preview shows how black text looks on a background with the XYZ color 12.1322, 8.7633, 3.2425.



This preview shows how white text looks on a background with the XYZ color 12.1322, 8.7633,

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

12.1322, 8.7633, 3.2425

Protanopia

8.1597, 8.8462, 4.2950

Deuteranopia

8.9274, 8.8203, 3.0657



Tritanopia

12.6145, 8.7211, 5.7211

Trichromacy



Original Color

12.1322, 8.7633, 3.2425

Protanomaly

9.2819, 8.5623, 3.8528

Deuteranomaly

9.8190, 8.5564, 3.0535

Tritanomaly

12.4588, 8.7418, 4.6451

Monochromacy



Original Color

12.1322, 8.7633, 3.2425

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

8.8960, 8.2041, 6.4249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1322, 8.7633, 3.2425 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(135, 62, 42)` looks like.

```
.text, #text, p{  
    color:rgb(135, 62, 42)  
}
```

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(135, 62, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 62, 42) }
```

Border

The CSS property to change the border of an element to XYZ 12.1322, 8.7633, 3.2425 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(135, 62, 42) }
```


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

```
.border{ border-color:rgb(135, 62, 42) }
```

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

Here you see how a box with a 4 pixel rgb(135, 62, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 62, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 62, 42);  
box-shadow:4px 4px 4px 4px rgb(135, 62,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1322, 8.7633, 3.2425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 62, 42) }
```

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

```
.background{ background-color: rgb(135, 62,  
42) }
```

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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