

Converting Colors

XYZ(12.4868, 8.4904, 4.7804)

Have a look what the booklet for
XYZ(12.4868, 8.4904, 4.7804)
contains.

XYZ(12.4935, 8.5301, 4.7294)	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(12.4935, 8.5301,
4.7294)**

Conversions

Conversions Part 1

Format	Color
Hex	893938
RGB	137, 57, 56
RGB Percent	54%, 22%, 22%
CMY	0.4627, 0.7765, 0.7804
CMYK	0.00, 0.58, 0.59, 0.46
HSL	1°, 42%, 38%
HSV	1°, 59%, 54%
XYZ	12.4935, 8.5301, 4.7294
YIQ	80.8060, 48.0010, 16.6490

Conversions

Conversions Part 2

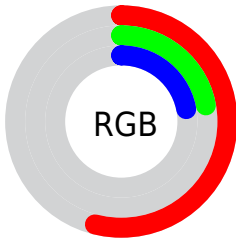
Format	Color
RYB	137, 57, 56
Decimal	8993080
CIELab	35.06, 34.12, 17.74
CIElCh	35, 38.459, 27.464
Yxy	8.5301, 0.4851, 0.3312
Android (android.graphics.Color)	4287183160 (0xFF893938)
YUV	80.8060, -12.2294, 49.2821
Hunter-Lab	29.2063, 25.2453, 10.8436

Details

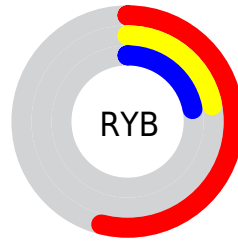
The XYZ color **12.4935, 8.5301, 4.7294** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **14.9500, 20.2543, 26.7885**, and the grayscale version is **7.7998, 8.2060, 8.9363**.

A 20% lighter version of the original color is **29.9540, 22.9640, 15.6857**, and **3.5957, 1.9097, 0.5599** is the 20% darker color. If you saturate the color by 10%, you get **11.6211, 7.2501, 3.0057**, and if you desaturate by 10%, it is **13.6364, 10.2043, 6.9959**.

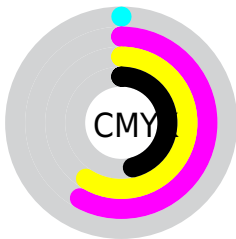
Distribution



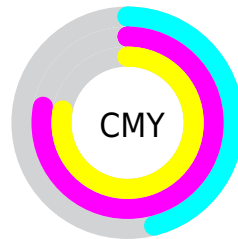
- Red (54%)
- Green (22%)
- Blue (22%)



- Red (54%)
- Yellow (22%)
- Blue (22%)



- Cyan (0%)
- Magenta (58%)
- Yellow (59%)
- Black (46%)



- Cyan (46%)
- Magenta (78%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4935, 8.5301, 4.7294 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 12.4935, 8.5301, 4.7294 by changing the saturation by 10% instead.

■ 12.4935, 8.5301,
4.7294

■ 12.4935, 8.5301,
4.7294

201.3495,
179.8327, 156.0171

■ 7.1553, 4.4360,
2.0334

■ 29.9999, 22.9913,
15.6598

■ 3.6066, 1.9203,
0.5757

■ 42.8988, 34.1271,
24.7313

■ 1.4821, 0.5605,
0.0000

■ 59.0487, 48.3790,
36.7651

■ 0.3136, 0.0000,
0.0000

■ 78.8148, 66.1313,
52.1797

■ 0.0000, 0.0000,
0.0000

■ 102.5626, 87.7684,
71.3937

■ 130.6574,

113.6748, 94.8256

163.4646,
144.2347, 122.8938

■ 12.4935, 8.5301,
4.7294

■ 12.4935, 8.5301,
4.7294

■ 11.6211, 7.2501,
3.0057

■ 13.6364, 10.2043,
6.9959

■ 10.9963, 6.3308,
1.7791

■ 15.0688, 12.2998,
9.8449

■ 10.5935, 5.7355,
0.9970

■ 16.8088, 14.8431,
13.3130

■ 10.3544, 5.3836,
0.5279

■ 18.8730, 17.8579,
17.4337

■ 10.3350, 5.3552,
0.4889

■ 21.2765, 21.3665,
22.2380

■ 24.0337, 25.3895,
27.7550

■ 27.1582, 29.9466,
34.0121

■ 30.6626, 35.0562,
41.0352

■ 34.5591, 40.7361,
48.8489

Harmonies

Analogous

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



13.1377, 8.5301, 9.8370



12.4935, 8.5301, 4.7294



10.6149, 8.5301, 2.3416

Triad

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



12.4935, 8.5301, 4.7294



5.0265, 8.5301, 4.1591



7.9210, 8.5301, 27.5259

Complementary

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



12.4935, 8.5301, 4.7294



14.9500, 20.2543, 26.7885

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.



6.0299, 8.5301, 23.7919



12.4935, 8.5301, 4.7294



4.5598, 8.5301, 8.7595

Square

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



12.4935, 8.5301, 4.7294



6.3013, 8.5301, 2.1331



4.8910, 8.5301, 16.1080



10.2298, 8.5301, 24.8146

Rectangle

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



12.4935, 8.5301, 4.7294



9.0655, 8.5301, 1.7527



4.8910, 8.5301, 16.1080



7.2196, 8.5301, 26.9558

Sweetspot

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



12.4937, 8.5306, 4.7295



34.0899, 32.4064, 31.8036



16.2461, 9.9529, 24.7318



7.4185, 6.9362, 6.6787



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.



12.4937, 8.5306, 4.7295



20.3780, 12.3469, 4.5303



15.2591, 14.0613, 5.6513



5.0375, 5.0579, 5.2632



9.6277, 4.9897, 0.4557



0.0645, 0.0343, 0.0032

Inverse Universe

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



14.9500, 20.2543, 26.7885



25.1986, 35.3750, 47.8831



10.3750, 11.1043, 25.2635



5.1676, 5.6782, 6.4295



12.3166, 17.9036, 24.8523



0.0826, 0.1205, 0.1654

Previews

White Background



This preview shows how the XYZ color 12.4935, 8.5301, 4.7294 looks on a white background.

Color Contrast Check

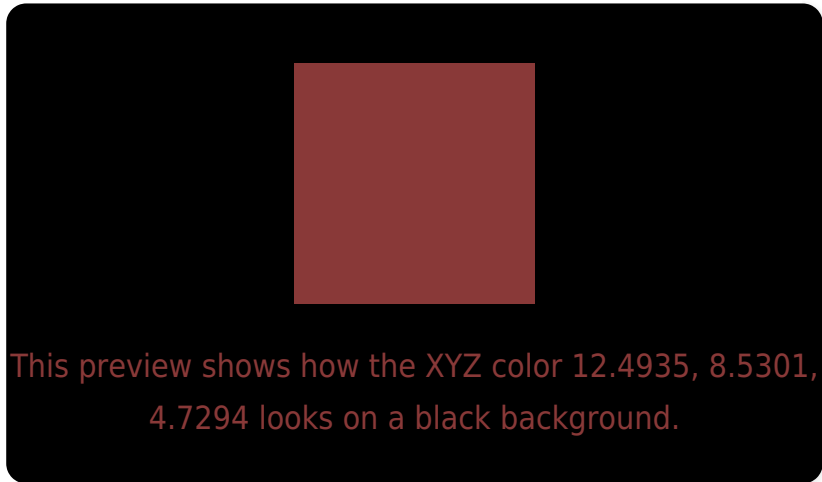
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4935, 8.5301, 4.7294

Background



This preview shows how black text looks on a background with the XYZ color 12.4935, 8.5301, 4.7294.



This preview shows how white text looks on a background with the XYZ color 12.4935, 8.5301,

4.7294.

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

12.4935, 8.5301, 4.7294

Protanopia

8.1309, 8.6665, 6.5544

Deuteranopia

8.8553, 8.7520, 4.4714



Tritanopia

12.5463, 8.4730, 5.2491

Trichromacy



Original Color

12.4935, 8.5301, 4.7294

Protanomaly

9.2898, 8.3206, 5.8190

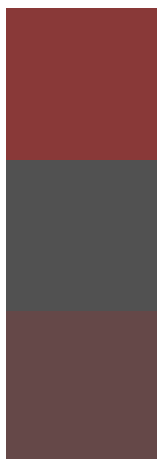
Deuteranomaly

9.8994, 8.4692, 4.4811

Tritanomaly

12.5201, 8.4625, 5.1112

Monochromacy



Original Color

12.4935, 8.5301, 4.7294

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

8.8539, 7.8693, 7.1832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4935, 8.5301, 4.7294 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(137, 57, 56)` looks like.

```
.text, #text, p{  
    color:rgb(137, 57, 56)  
}
```

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(137, 57, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 57, 56) }
```

Border

The CSS property to change the border of an element to XYZ 12.4935, 8.5301, 4.7294 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(137, 57, 56) }
```


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

```
.border{ border-color:rgb(137, 57, 56) }
```

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

Here you see how a box with a 4 pixel rgb(137, 57, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 57, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 57, 56);  
box-shadow:4px 4px 4px 4px rgb(137, 57,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4935, 8.5301, 4.7294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 57, 56) }
```

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

```
.background{ background-color: rgb(137, 57,  
56) }
```

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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