

Converting Colors

XYZ(12.7978, 7.7447, 4.2234)

Have a look what the booklet for
XYZ(12.7978, 7.7447, 4.2234)
contains.

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Color

**XYZ(12.7983, 7.7526,
4.1900)**

Conversions

Conversions Part 1

Format	Color
Hex	8F2A35
RGB	143, 42, 53
RGB Percent	56%, 16%, 21%
CMY	0.4392, 0.8353, 0.7922
CMYK	0.00, 0.71, 0.63, 0.44
HSL	353°, 55%, 36%
HSV	353°, 71%, 56%
XYZ	12.7983, 7.7526, 4.1900
YIQ	73.4530, 56.6650, 24.8330

Conversions

Conversions Part 2

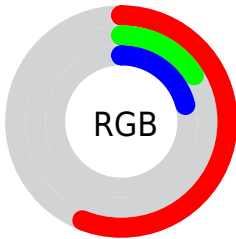
Format	Color
R_{YB}	143, 42, 53
Decimal	9382453
CIE _{Lab}	33.46, 43.08, 17.76
CIE _{LCh}	33, 46.593, 22.403
Yxy	7.7526, 0.5173, 0.3134
Android (android.graphics.Color)	4287572533 (0xFF8F2A35)
YUV	73.4530, -10.0833, 60.9927
Hunter-Lab	27.8435, 33.3217, 10.5682

Details

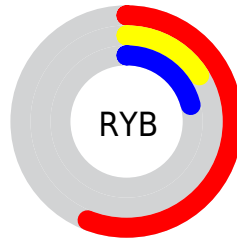
The XYZ color **12.7983, 7.7526, 4.1900** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **14.9428, 21.8034, 25.2528**, and the grayscale version is **6.4229, 6.7574, 7.3588**.

A 20% lighter version of the original color is **30.6120, 21.4628, 14.3337**, and **3.8871, 1.9982, 0.4393** is the 20% darker color. If you saturate the color by 10%, you get **12.1234, 6.8112, 2.7062**, and if you desaturate by 10%, it is **13.7326, 9.0881, 6.1451**.

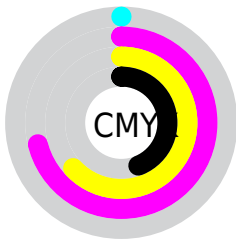
Distribution



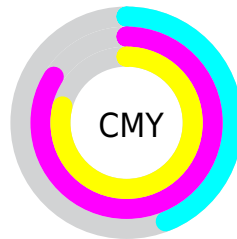
- Red (56%)
- Green (16%)
- Blue (21%)



- Red (56%)
- Yellow (16%)
- Blue (21%)



- Cyan (0%)
- Magenta (71%)
- Yellow (63%)
- Black (44%)




- Cyan (44%)
- Magenta (84%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.7983, 7.7526, 4.1900 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 12.7983, 7.7526, 4.1900 by changing the saturation by 10% instead.


 12.7983, 7.7526,
4.1900


 12.7983, 7.7526,
4.1900


203.2848,
173.7785, 150.3144


 7.3658, 3.9371,
1.7301


 30.5454, 21.4720,
14.4456


 3.7403, 1.6384,
0.3813

 43.5907, 32.1446,
23.0785


 1.5563, 0.3833,
0.0000

 59.9043, 45.8718,
34.6061

 0.3637, 0.0000,
0.0000

 79.8516, 63.0378,
49.4470

 0.0000, 0.0000,
0.0000

 103.7979, 84.0270,
68.0198

 132.1087,

109.2240, 90.7429

165.1492,
139.0130, 118.0349

■ 12.7983, 7.7526,
4.1900

■ 12.7983, 7.7526,
4.1900

■ 12.1234, 6.8112,
2.7062

■ 13.7326, 9.0881,
6.1451

■ 11.6807, 6.2195,
1.6532

■ 14.9486, 10.8532,
8.6066

■ 11.4180, 5.8758,
1.0058

■ 16.4671, 13.0812,
11.6067

■ 18.3064, 15.8014,
15.1748

■ 20.4837, 19.0408,
19.3381

■ 23.0147, 22.8247,
24.1222

■ 25.9143, 27.1763,
29.5511

■ 29.1963, 32.1179,
35.6474

■ 32.8742, 37.6702,
42.4330

Harmonies

Analogous

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



13.2695, 7.7526, 10.4058



12.7983, 7.7526, 4.1900



10.7266, 7.7526, 1.5396

Triad

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



12.7983, 7.7526, 4.1900



4.1654, 7.7526, 2.5011



6.7482, 7.7526, 30.9236

Complementary

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



12.7983, 7.7526, 4.1900



14.9428, 21.8034, 25.2528

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.



4.7967, 7.7526, 24.8339



12.7983, 7.7526, 4.1900



3.5424, 7.7526, 6.7410

Square

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



12.7983, 7.7526, 4.1900



5.6765, 7.7526, 1.0231



3.7438, 7.7526, 14.8885



9.3674, 7.7526, 28.7821

Rectangle

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



12.7983, 7.7526, 4.1900



8.9278, 7.7526, 0.9285



3.7438, 7.7526, 14.8885



6.0024, 7.7526, 29.6904

Sweetspot

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



12.7985, 7.7530, 4.1901



36.3404, 33.5881, 33.9798



15.1799, 8.4822, 26.8238



8.1038, 7.3600, 7.3544



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.7985, 7.7530, 4.1901



21.1761, 11.4753, 3.5964



14.6674, 11.8502, 3.7053



5.4313, 5.4330, 5.7691



10.1000, 5.1970, 0.9121



0.1003, 0.0512, 0.0285

Inverse Universe

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



12.7985, 7.7530, 4.1901



21.1761, 11.4753, 3.5964



10.8921, 12.4338, 27.8125



5.4313, 5.4330, 5.7691



10.1000, 5.1970, 0.9121



0.1003, 0.0512, 0.0285

Previews

White Background



This preview shows how the XYZ color 12.7983, 7.7526, 4.1900 looks on a white background.

Color Contrast Check

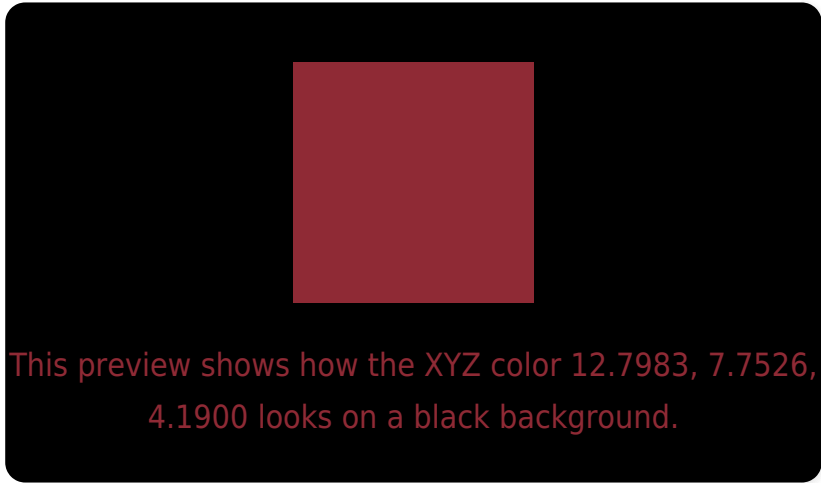
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7983, 7.7526, 4.1900

Background



This preview shows how black text looks on a background with the XYZ color 12.7983, 7.7526, 4.1900.



This preview shows how white text looks on a background with the XYZ color 12.7983, 7.7526,

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

12.7983, 7.7526, 4.1900

Protanopia

7.5990, 8.0518, 6.7839

Deuteranopia

8.0477, 7.9237, 3.9016



Tritanopia

12.6652, 7.7569, 3.3123

Trichromacy



Original Color

12.7983, 7.7526, 4.1900

Protanomaly

8.6711, 7.2586, 5.6467

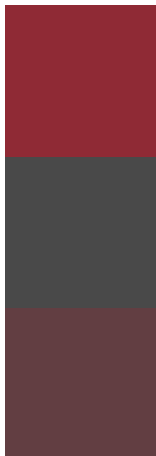
Deuteranomaly

9.3485, 7.4745, 3.9676

Tritanomaly

12.7251, 7.7808, 3.6275

Monochromacy



Original Color

12.7983, 7.7526, 4.1900

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

7.7430, 6.4353, 5.9883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7983, 7.7526, 4.1900 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(143, 42, 53)` looks like.

```
.text, #text, p{  
    color:rgb(143, 42, 53)  
}
```

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(143, 42, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 42, 53) }
```

Border

The CSS property to change the border of an element to XYZ 12.7983, 7.7526, 4.1900 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(143, 42, 53) }
```


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

```
.border{ border-color:rgb(143, 42, 53) }
```

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

Here you see how a box with a 4 pixel rgb(143, 42, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 42, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 42, 53);  
box-shadow:4px 4px 4px 4px rgb(143, 42,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7983, 7.7526, 4.1900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 42, 53) }
```

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

```
.background{ background-color: rgb(143, 42,  
53) }
```

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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