

Converting Colors

XYZ(12.3567, 7.1481, 2.9293)

Have a look what the booklet for
XYZ(12.3567, 7.1481, 2.9293)
contains.

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Color

**XYZ(12.2895, 7.0945,
2.9121)**

Conversions

Conversions Part 1

Format	Color
Hex	8F212A
RGB	143, 33, 42
RGB Percent	56%, 13%, 16%
CMY	0.4392, 0.8706, 0.8353
CMYK	0.00, 0.77, 0.71, 0.44
HSL	355°, 62%, 35%
HSV	355°, 77%, 56%
XYZ	12.2895, 7.0945, 2.9121
YIQ	66.9160, 62.6710, 26.1190

Conversions

Conversions Part 2

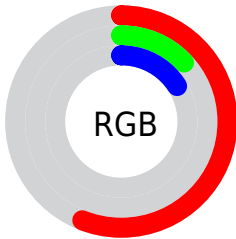
Format	Color
R_{YB}	143, 33, 42
Decimal	9380138
CIE Lab	32.02, 45.85, 22.98
CIE LCh	32, 51.285, 26.626
Yxy	7.0945, 0.5512, 0.3182
Android (android.graphics.Color)	4287570218 (0xFF8F212A)
YUV	66.9160, -12.2836, 66.7257
Hunter-Lab	26.6355, 35.7470, 12.1626

Details

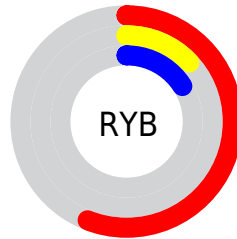
The XYZ color **12.2895, 7.0945, 2.9121** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **14.7535, 21.6898, 25.9659**, and the grayscale version is **5.3341, 5.6119, 6.1114**.

A 20% lighter version of the original color is **29.4856, 20.0611, 11.3349**, and **3.8378, 1.9784, 0.1796** is the 20% darker color. If you saturate the color by 10%, you get **11.7758, 6.3836, 1.7654**, and if you desaturate by 10%, it is **13.0493, 8.1744, 4.5209**.

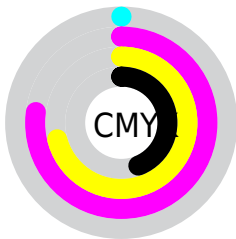
Distribution



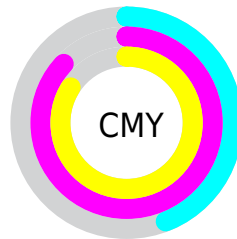
- Red (56%)
- Green (13%)
- Blue (16%)



- Red (56%)
- Yellow (13%)
- Blue (16%)



- Cyan (0%)
- Magenta (77%)
- Yellow (71%)
- Black (44%)




- Cyan (44%)
- Magenta (87%)
- Yellow (84%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2895, 7.0945, 2.9121 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 12.2895, 7.0945, 2.9121 by changing the saturation by 10% instead.

 12.2895, 7.0945,
2.9121


 12.2895, 7.0945,
2.9121


200.0436,
168.4466, 135.2331


 7.0148, 3.5213,
1.0499


 29.6336, 20.1631,
11.4108


 3.5177, 1.4096,
0.0000

 42.4336, 30.4272,
18.8843


 1.4331, 0.2237,
0.0000

 58.4728, 43.6904,
29.0654

 0.2796, 0.0000,
0.0000

 78.1166, 60.3371,
42.3726

 0.0000, 0.0000,
0.0000

 101.7301, 80.7517,
59.2245

 129.6789,

105.3185, 80.0395

162.3283,
134.4220, 105.2362

12.2895, 7.0945,
2.9121

12.2895, 7.0945,
2.9121

11.7758, 6.3836,
1.7654

13.0493, 8.1744,
4.5209

11.4671, 5.9719,
1.0283

14.0804, 9.6629,
6.6338

11.3922, 5.8654,
0.8697

15.4057, 11.5957,
9.2882

17.0453, 14.0046,
12.5180

19.0176, 16.9181,
16.3543

■ 21.3396, 20.3627,
20.8258

■ 24.0271, 24.3630,
25.9597

■ 27.0950, 28.9420,
31.7814

■ 30.5572, 34.1216,
38.3149

Harmonies

Analogous

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



13.0862, 7.0945, 8.6007



12.2895, 7.0945, 2.9121



9.8932, 7.0945, 0.8656

Triad

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



12.2895, 7.0945, 2.9121



3.3638, 7.0945, 2.2133



6.4524, 7.0945, 32.7416

Complementary

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



12.2895, 7.0945, 2.9121



14.7535, 21.6898, 25.9659

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.



4.3446, 7.0945, 26.9823



12.2895, 7.0945, 2.9121



2.8751, 7.0945, 6.9103

Square

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



12.2895, 7.0945, 2.9121



4.7370, 7.0945, 0.6545



3.1816, 7.0945, 16.1091



9.2481, 7.0945, 28.9743

Rectangle

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



12.2895, 7.0945, 2.9121



7.9702, 7.0945, 0.3715



3.1816, 7.0945, 16.1091



5.6489, 7.0945, 31.7965

Sweetspot

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



12.2897, 7.0949, 2.9122



35.4127, 32.3051, 31.9054



15.3070, 8.1260, 26.7483



7.8235, 6.9676, 6.7421



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.



12.2897, 7.0949, 2.9122



20.6759, 10.8847, 2.1667



14.3866, 11.5180, 2.9043



5.4257, 5.4308, 5.7396



10.0765, 5.1876, 0.7883



0.0992, 0.0507, 0.0225

Inverse Universe

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



12.2897, 7.0949, 2.9122



20.6759, 10.8847, 2.1667



9.8757, 10.8874, 27.5676



5.4257, 5.4308, 5.7396



10.0765, 5.1876, 0.7883



0.0992, 0.0507, 0.0225

Previews

White Background



This preview shows how the XYZ color 12.2895, 7.0945, 2.9121 looks on a white background.

Color Contrast Check

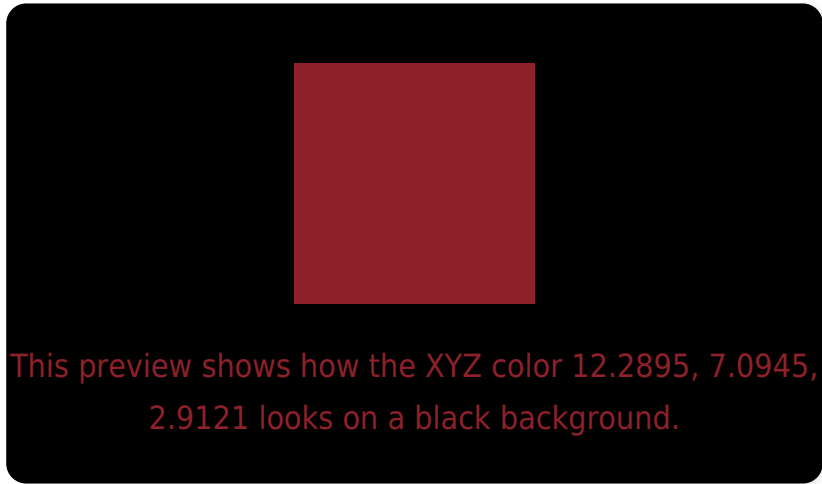
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2895, 7.0945, 2.9121

Background



This preview shows how black text looks on a background with the XYZ color 12.2895, 7.0945, 2.9121.



This preview shows how white text looks on a background with the XYZ color 12.2895, 7.0945,

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

12.2895, 7.0945, 2.9121

Protanopia

6.8973, 7.4071, 5.0692

Deuteranopia

7.4203, 7.3254, 2.6919



Tritanopia

12.2031, 7.1050, 2.3183

Trichromacy



Original Color

12.2895, 7.0945, 2.9121

Protanomaly

7.9975, 6.5285, 4.0874

Deuteranomaly

8.5450, 6.6108, 2.6594

Tritanomaly

12.2496, 7.1236, 2.5631

Monochromacy



Original Color

12.2895, 7.0945, 2.9121

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

6.8492, 5.4708, 4.6980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2895, 7.0945, 2.9121 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, 33, 42)` looks like.

```
.text, #text, p{  
    color:rgb(143, 33, 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(143, 33, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 33, 42) }
```

Border

The CSS property to change the border of an element to XYZ 12.2895, 7.0945, 2.9121 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, 33, 42) }
```


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

```
.border{ border-color:rgb(143, 33, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 33, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 33, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 33, 42);  
box-shadow:4px 4px 4px 4px rgb(143, 33,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2895, 7.0945, 2.9121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 33, 42) }
```

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

```
.background{ background-color: rgb(143, 33,  
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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