

Converting Colors

XYZ(12.3473, 6.9902, 1.8655)

Have a look what the booklet for
XYZ(12.3473, 6.9902, 1.8655)
contains.

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Color

**XYZ(12.3382, 6.9872,
1.8608)**

Conversions

Conversions Part 1

Format	Color
Hex	911D1D
RGB	145, 29, 29
RGB Percent	57%, 11%, 11%
CMY	0.4314, 0.8862, 0.8863
CMYK	0.00, 0.80, 0.80, 0.43
HSL	0°, 67%, 34%
HSV	0°, 80%, 57%
XYZ	12.3382, 6.9872, 1.8608
YIQ	63.6840, 69.1360, 24.5920

Conversions

Conversions Part 2

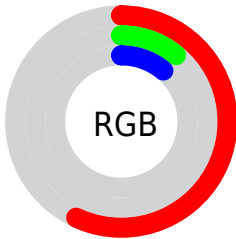
Format	Color
R _Y B	145, 29, 29
Decimal	9510173
CIE Lab	31.78, 47.23, 30.86
CIE LCh	32, 56.417, 33.161
Yxy	6.9872, 0.5824, 0.3298
Android (android.graphics.Color)	4287700253 (0xFF911D1D)
YUV	63.6840, -17.0992, 71.3141
Hunter-Lab	26.4333, 37.0596, 14.3295

Details

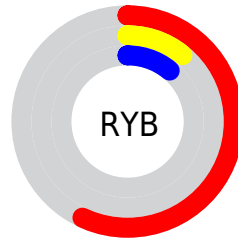
The XYZ color **12.3382, 6.9872, 1.8608** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.7415, 22.5534, 30.3114**, and the grayscale version is **4.8441, 5.0964, 5.5500**.

A 20% lighter version of the original color is **29.6279, 19.9572, 8.5939**, and **3.8378, 1.9784, 0.1796** is the 20% darker color. If you saturate the color by 10%, you get **11.9237, 6.3808, 1.0367**, and if you desaturate by 10%, it is **13.0047, 7.9628, 3.1855**.

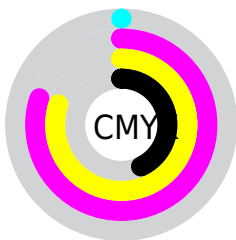
Distribution



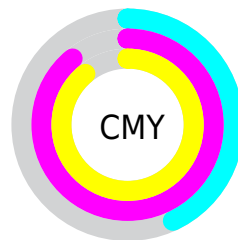
- Red (57%)
- Green (11%)
- Blue (11%)



- Red (57%)
- Yellow (11%)
- Blue (11%)



- Cyan (0%)
- Magenta (80%)
- Yellow (80%)
- Black (43%)



- Cyan (43%)
- Magenta (89%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3382, 6.9872, 1.8608 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 12.3382, 6.9872, 1.8608 by changing the saturation by 10% instead.

12.3382, 6.9872,
1.8608

12.3382, 6.9872,
1.8608

200.3561,
167.5573, 120.1764

7.0483, 3.4541,
0.4676

29.7211, 19.9475,
8.6566

3.5389, 1.3731,
0.0000

42.5448, 30.1434,
14.9767

1.4447, 0.1968,
0.0000

58.6105, 43.3291,
23.8031

0.2878, 0.0000,
0.0000


78.2836, 59.8889,
35.5541


0.0000, 0.0000,
0.0000

101.9293, 80.2072,
50.6484


129.9130,

104.6685, 69.5046


 162.6002,
133.6570, 92.5410


 12.3382, 6.9872,
1.8608


 12.3382, 6.9872,
1.8608


 11.9237, 6.3808,
1.0367


 13.0047, 7.9628,
3.1855


 11.6771, 6.0200,
0.5465

 13.9541, 9.3521,
5.0728

 11.6771, 6.0199,
0.5465

 15.2133, 11.1946,
7.5758

 16.8059, 13.5251,
10.7418

 18.7533, 16.3747,
14.6132

■ 21.0751, 19.7721,
19.2288

■ 23.7895, 23.7439,
24.6249

■ 26.9133, 28.3150,
30.8351

■ 30.4627, 33.5087,
37.8913

Harmonies

Analogous

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



13.7174, 6.9872, 6.7782



12.3382, 6.9872, 1.8608



9.4227, 6.9872, 0.3111

Triad

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



12.3382, 6.9872, 1.8608



2.8645, 6.9872, 2.5078



6.9466, 6.9872, 36.3212

Complementary

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



12.3382, 6.9872, 1.8608



15.7415, 22.5534, 30.3114

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.



4.4691, 6.9872, 31.8147



12.3382, 6.9872, 1.8608



2.5462, 6.9872, 8.5027

Square

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



12.3382, 6.9872, 1.8608



4.0807, 6.9872, 0.5286



3.0398, 6.9872, 19.7610



10.0963, 6.9872, 29.6297

Rectangle

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



12.3382, 6.9872, 1.8608



7.3125, 6.9872, 0.0000



3.0398, 6.9872, 19.7610



6.0121, 6.9872, 36.0738

Sweetspot

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



12.3384, 6.9876, 1.8609



35.7861, 32.5461, 30.5464



17.2271, 8.9428, 27.6060



7.6714, 6.8165, 6.2198



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.



12.3384, 6.9876, 1.8609



21.0354, 10.9612, 1.2238



15.3070, 12.9248, 2.8504



5.4089, 5.4241, 5.6513



10.0159, 5.1636, 0.4688



0.0958, 0.0494, 0.0045

Inverse Universe

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



15.7415, 22.5534, 30.3114



27.3774, 39.9700, 54.2456



9.0257, 9.1220, 28.0729



5.5602, 6.1163, 6.9163



13.0672, 19.1204, 25.9790



0.1249, 0.1828, 0.2484

Previews

White Background



This preview shows how the XYZ color 12.3382, 6.9872, 1.8608 looks on a white background.

Color Contrast Check

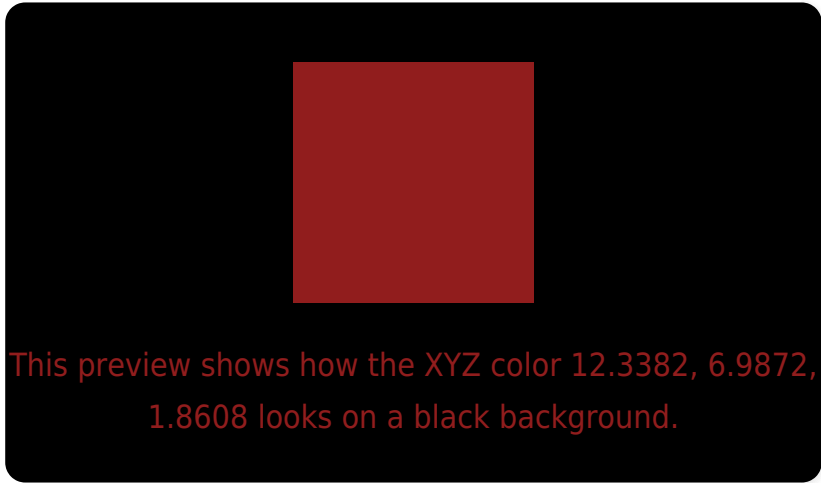
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3382, 6.9872, 1.8608

Background



This preview shows how black text looks on a background with the XYZ color 12.3382, 6.9872, 1.8608.



This preview shows how white text looks on a background with the XYZ color 12.3382, 6.9872,

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

12.3382, 6.9872, 1.8608

Protanopia

6.6585, 7.2209, 3.2333

Deuteranopia

7.3240, 7.2989, 1.6389



Tritanopia

12.3382, 6.9872, 1.8608

Trichromacy



Original Color

12.3382, 6.9872, 1.8608

Protanomaly

7.8418, 6.3257, 2.5579

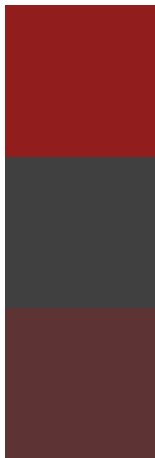
Deuteranomaly

8.5572, 6.5655, 1.6269

Tritanomaly

12.3382, 6.9872, 1.8608

Monochromacy



Original Color

12.3382, 6.9872, 1.8608

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

6.2956, 4.9338, 3.7525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3382, 6.9872, 1.8608 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(145, 29, 29)` looks like.

```
.text, #text, p{  
    color:rgb(145, 29, 29)  
}
```

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(145, 29, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 29, 29) }
```

Border

The CSS property to change the border of an element to XYZ 12.3382, 6.9872, 1.8608 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(145, 29, 29) }
```


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

```
.border{ border-color:rgb(145, 29, 29) }
```

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

Here you see how a box with a 4 pixel rgb(145, 29, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 29, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 29, 29);  
box-shadow:4px 4px 4px 4px rgb(145, 29,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3382, 6.9872, 1.8608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 29, 29) }
```

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

```
.background{ background-color: rgb(145, 29,  
29) }
```

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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