

Converting Colors

XYZ(12.2147, 7.2835, 2.6815)

Have a look what the booklet for
XYZ(12.2147, 7.2835, 2.6815)
contains.

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Color

**XYZ(12.2147, 7.2835,
2.6815)**

Conversions

Conversions Part 1

Format	Color
Hex	8E2627
RGB	142, 38, 39
RGB Percent	56%, 15%, 15%
CMY	0.4431, 0.8510, 0.8471
CMYK	0.00, 0.73, 0.73, 0.44
HSL	359°, 58%, 35%
HSV	359°, 73%, 56%
XYZ	12.2147, 7.2835, 2.6815
YIQ	69.2100, 61.6630, 22.3590

Conversions

Conversions Part 2

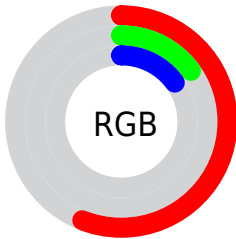
Format	Color
R_{YB}	142, 38, 39
Decimal	9315879
CIE Lab	32.44, 43.51, 25.34
CIE LCh	32, 50.349, 30.212
Yxy	7.2835, 0.5507, 0.3284
Android (android.graphics.Color)	4287505959 (0xFF8E2627)
YUV	69.2100, -14.8935, 63.8368
Hunter-Lab	26.9880, 33.5598, 13.0006

Details

The XYZ color **12.2147, 7.2835, 2.6815** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.2808, 21.6815, 28.5815**, and the grayscale version is **5.7080, 6.0053, 6.5398**.

A 20% lighter version of the original color is **29.4287, 20.5398, 10.8010**, and **3.7463, 1.9313, 0.1753** is the 20% darker color. If you saturate the color by 10%, you get **11.6528, 6.4660, 1.5500**, and if you desaturate by 10%, it is **13.0367, 8.4829, 4.3262**.

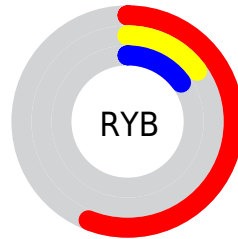
Distribution



Red (56%)

Green (15%)

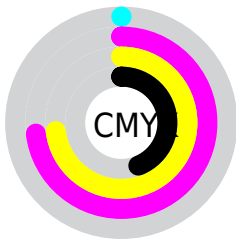
Blue (15%)



Red (56%)

Yellow (15%)

Blue (15%)

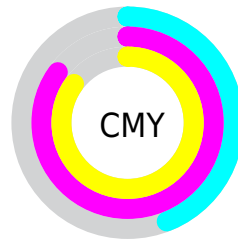


Cyan (0%)

Magenta (73%)

Yellow (73%)

Black (44%)



Cyan (44%)


Magenta (85%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2147, 7.2835, 2.6815 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 12.2147, 7.2835, 2.6815 by changing the saturation by 10% instead.


 12.2147, 7.2835,
2.6815


 12.2147, 7.2835,
2.6815


199.5625,
169.9990, 132.1946


 6.9633, 3.6400,
0.9341


 29.4990, 20.5413,
10.8319


 3.4853, 1.4743,
0.0000

 42.2626, 30.9244,
18.0722


 1.4153, 0.2705,
0.0000

 58.2611, 44.3229,
27.9807

 0.2671, 0.0000,
0.0000

 77.8596, 61.1211,
40.9759

 0.0000, 0.0000,
0.0000

 101.4237, 81.7034,
57.4764

 129.3187,

106.4542, 77.9006

161.9098,
135.7580, 102.6672

12.2147, 7.2835,
2.6815

12.2147, 7.2835,
2.6815

11.6528, 6.4660,
1.5500

13.0367, 8.4829,
4.3262

11.3193, 5.9832,
0.8710

14.1444, 10.1017,
6.5348

11.1628, 5.7538,
0.5612

15.5611, 12.1744,
9.3524

17.3074, 14.7314,
12.8192

19.4024, 17.8006,
16.9723

■ 21.8634, 21.4078,
21.8457

■ 24.7067, 25.5771,
27.4715

■ 27.9477, 30.3310,
33.8794

■ 31.6009, 35.6908,
41.0979

Harmonies

Analogous

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



13.2350, 7.2835, 7.8777



12.2147, 7.2835, 2.6815



9.7205, 7.2835, 0.8558

Triad

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



12.2147, 7.2835, 2.6815



3.4227, 7.2835, 2.7263



6.9413, 7.2835, 32.6547

Complementary

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



12.2147, 7.2835, 2.6815



15.2808, 21.6815, 28.5815

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.



4.7210, 7.2835, 28.0245



12.2147, 7.2835, 2.6815



3.0255, 7.2835, 7.9836

Square

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



12.2147, 7.2835, 2.6815



4.6963, 7.2835, 0.8688



3.4343, 7.2835, 17.5576



9.7607, 7.2835, 27.9018

Rectangle

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



12.2147, 7.2835, 2.6815



7.8095, 7.2835, 0.4419



3.4343, 7.2835, 17.5576



6.1058, 7.2835, 32.1215

Sweetspot

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



12.2149, 7.2839, 2.6816



34.5282, 31.8497, 30.5508



16.4360, 8.9383, 26.4502



7.5050, 6.8104, 6.4135



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.2149, 7.2839, 2.6816



20.1195, 10.7803, 1.8615



15.0172, 12.9147, 3.5356



5.4108, 5.4249, 5.6615



10.0229, 5.1662, 0.5060



0.0962, 0.0495, 0.0066

Inverse Universe

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



12.2149, 7.2839, 2.6816



20.1195, 10.7803, 1.8615



9.4864, 9.9739, 27.0163



5.4108, 5.4249, 5.6615



10.0229, 5.1662, 0.5060



0.0962, 0.0495, 0.0066

Previews

White Background



This preview shows how the XYZ color 12.2147, 7.2835, 2.6815 looks on a white background.

Color Contrast Check

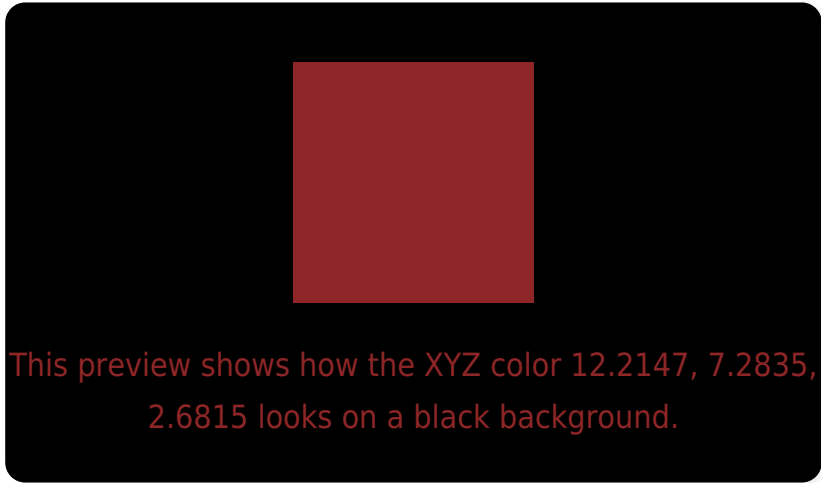
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2147, 7.2835, 2.6815

Background



This preview shows how black text looks on a background with the XYZ color 12.2147, 7.2835, 2.6815.



This preview shows how white text looks on a background with the XYZ color 12.2147, 7.2835,

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

12.2147, 7.2835, 2.6815

Protanopia

7.0004, 7.5815, 4.3432

Deuteranopia

7.5472, 7.4942, 2.4876



Tritanopia

12.2147, 7.2835, 2.6815

Trichromacy



Original Color

12.2147, 7.2835, 2.6815

Protanomaly

8.1163, 6.7635, 3.5670

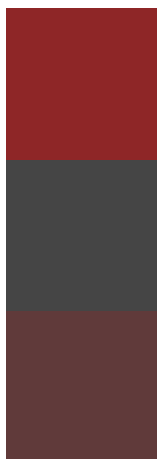
Deuteranomaly

8.7822, 6.9695, 2.4725

Tritanomaly

12.2147, 7.2835, 2.6815

Monochromacy



Original Color

12.2147, 7.2835, 2.6815

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

7.1006, 5.8184, 4.7518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2147, 7.2835, 2.6815 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(142, 38, 39)` looks like.

```
.text, #text, p{  
    color:rgb(142, 38, 39)  
}
```

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(142, 38, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 38, 39) }
```

Border

The CSS property to change the border of an element to XYZ 12.2147, 7.2835, 2.6815 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(142, 38, 39) }
```


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

```
.border{ border-color:rgb(142, 38, 39) }
```

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

Here you see how a box with a 4 pixel rgb(142, 38, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 38, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 38, 39);  
box-shadow:4px 4px 4px 4px rgb(142, 38,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2147, 7.2835, 2.6815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 38, 39) }
```

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

```
.background{ background-color: rgb(142, 38,  
39) }
```

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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