

Converting Colors

XYZ(13.1731, 7.5683, 4.1118)

Have a look what the booklet for
XYZ(13.1731, 7.5683, 4.1118)
contains.

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Color

**XYZ(13.2473, 7.6041,
4.1377)**

Conversions

Conversions Part 1

Format	Color
Hex	932235
RGB	147, 34, 53
RGB Percent	58%, 13%, 21%
CMY	0.4235, 0.8666, 0.7922
CMYK	0.00, 0.77, 0.64, 0.42
HSL	350°, 62%, 35%
HSV	350°, 77%, 58%
XYZ	13.2473, 7.6041, 4.1377
YIQ	69.9530, 61.2490, 29.8650

Conversions

Conversions Part 2

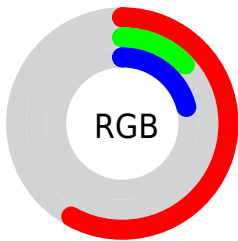
Format	Color
R_{YB}	147, 34, 53
Decimal	9642549
CIE _{Lab}	33.14, 47.41, 17.49
CIE _{LCh}	33, 50.533, 20.251
Yxy	7.6041, 0.5301, 0.3043
Android (android.graphics.Color)	4287832629 (0xFF932235)
YUV	69.9530, -8.3578, 67.5702
Hunter-Lab	27.5755, 37.4943, 10.4064

Details

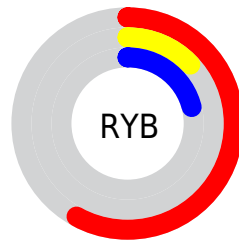
The XYZ color **13.2473, 7.6041, 4.1377** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **14.9904, 22.7664, 24.0286**, and the grayscale version is **5.8205, 6.1236, 6.6686**.

A 20% lighter version of the original color is **31.2781, 21.1674, 14.2416**, and **4.2658, 2.1934, 0.4570** is the 20% darker color. If you saturate the color by 10%, you get **12.6670, 6.8378, 2.7292**, and if you desaturate by 10%, it is **14.0795, 8.7596, 5.9846**.

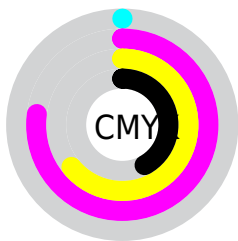
Distribution



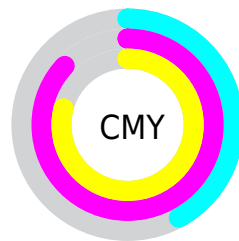
- Red (58%)
- Green (13%)
- Blue (21%)



- Red (58%)
- Yellow (13%)
- Blue (21%)



- Cyan (0%)
- Magenta (77%)
- Yellow (64%)
- Black (42%)




- Cyan (42%)
- Magenta (87%)
- Yellow (79%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.2473, 7.6041, 4.1377 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 13.2473, 7.6041, 4.1377 by changing the saturation by 10% instead.


 13.2473, 7.6041,
4.1377


 13.2473, 7.6041,
4.1377


206.1023,
172.5930, 149.7438

 7.6772, 3.8427,
1.7012


 31.3449, 21.1786,
14.3261


 3.9392, 1.5860,
0.3615

 44.6032, 31.7604,
22.9151


 1.6678, 0.3481,
0.0000

 61.1548, 45.3846,
34.3920

 0.4360, 0.0000,
0.0000

 81.3653, 62.4353,
49.1753

 0.0000, 0.0000,
0.0000

 105.5999, 83.2972,
67.6836

 134.2241,

108.3545, 90.3354

167.6031,
137.9916, 117.5493

■ 13.2473, 7.6041,
4.1377

■ 13.2473, 7.6041,
4.1377

■ 12.6670, 6.8378,
2.7292

■ 14.0795, 8.7596,
5.9846

■ 12.2988, 6.3895,
1.7180

■ 15.1886, 10.3456,
8.3027

■ 12.2050, 6.2720,
1.4707

■ 16.5968, 12.3999,
11.1219

■ 18.3242, 14.9556,
14.4696

■ 20.3889, 18.0427,
18.3710

■ 22.8077, 21.6890,
22.8499

■ 25.5964, 25.9204,
27.9286

■ 28.7695, 30.7611,
33.6281

■ 32.3411, 36.2338,
39.9685

Harmonies

Analogous

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



13.6177, 7.6041, 11.0498



13.2473, 7.6041, 4.1377



11.0650, 7.6041, 1.3144

Triad

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



13.2473, 7.6041, 4.1377



3.9354, 7.6041, 1.9604



6.3865, 7.6041, 33.1419

Complementary

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



13.2473, 7.6041, 4.1377



14.9904, 22.7664, 24.0286

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.



4.3989, 7.6041, 25.6898



13.2473, 7.6041, 4.1377



3.2343, 7.6041, 6.0160

Square

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



13.2473, 7.6041, 4.1377



5.5809, 7.6041, 0.6807



3.3798, 7.6041, 14.5384



9.1698, 7.6041, 31.4039

Rectangle

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



13.2473, 7.6041, 4.1377



9.1199, 7.6041, 0.6701



3.3798, 7.6041, 14.5384



5.6168, 7.6041, 31.5121

Sweetspot

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



13.2475, 7.6045, 4.1378



37.9110, 34.4130, 35.5036



14.4849, 7.7083, 28.3282



8.3419, 7.3861, 7.5228



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.2475, 7.6045, 4.1378



22.1952, 11.6475, 3.5485



14.4984, 10.6724, 2.8097



5.8382, 5.8304, 6.2542



10.5878, 5.4402, 1.3104



0.1371, 0.0696, 0.0554

Inverse Universe

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



13.2475, 7.6045, 4.1378



22.1952, 11.6475, 3.5485



11.6347, 13.8635, 29.6665



5.8382, 5.8304, 6.2542



10.5878, 5.4402, 1.3104



0.1371, 0.0696, 0.0554

Previews

White Background



This preview shows how the XYZ color 13.2473, 7.6041, 4.1377 looks on a white background.

Color Contrast Check

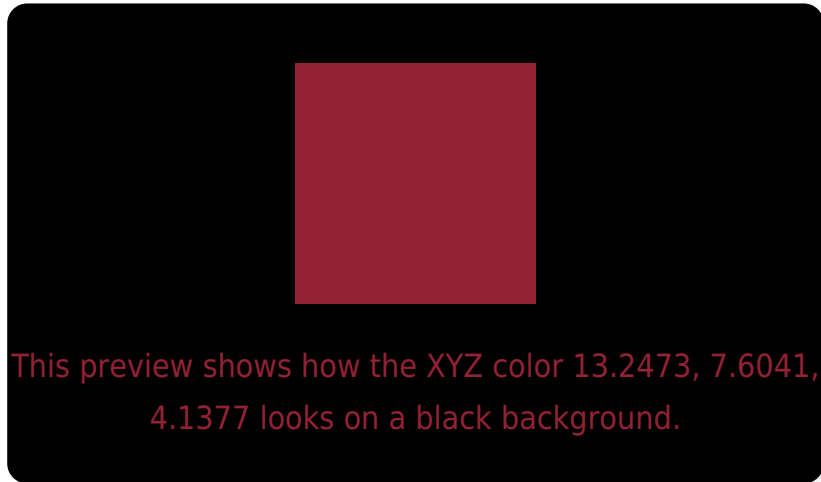
Large Text (above 18pt) WCAG AA ✓ Pass

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

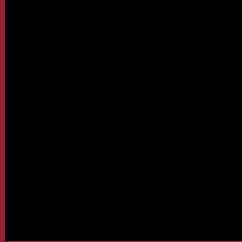
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.2473, 7.6041, 4.1377

Background



This preview shows how black text looks on a background with the XYZ color 13.2473, 7.6041, 4.1377.



This preview shows how white text looks on a background with the XYZ color 13.2473, 7.6041,

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

13.2473, 7.6041, 4.1377

Protanopia

7.5330, 7.8988, 7.2585

Deuteranopia

7.9214, 7.8609, 3.7891



Tritanopia

12.8655, 7.5741, 2.6176

Trichromacy



Original Color

13.2473, 7.6041, 4.1377

Protanomaly

8.6755, 7.0008, 5.8951

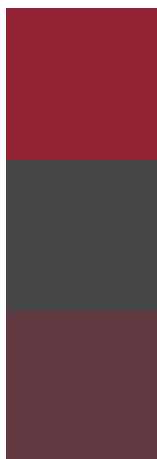
Deuteranomaly

9.2934, 7.2041, 3.8064

Tritanomaly

12.9210, 7.5472, 3.0612

Monochromacy



Original Color

13.2473, 7.6041, 4.1377

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

7.4255, 5.8931, 5.5966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2473, 7.6041, 4.1377 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(147, 34, 53)` looks like.

```
.text, #text, p{  
    color:rgb(147, 34, 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(147, 34, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 34, 53) }
```

Border

The CSS property to change the border of an element to XYZ 13.2473, 7.6041, 4.1377 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(147, 34, 53) }
```


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

```
.border{ border-color:rgb(147, 34, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 34, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 34, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 34, 53);  
box-shadow:4px 4px 4px 4px rgb(147, 34,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2473, 7.6041, 4.1377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 34, 53) }
```

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

```
.background{ background-color: rgb(147, 34,  
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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