

Converting Colors

XYZ(13.4668, 8.2178, 3.6727)

Have a look what the booklet for
XYZ(13.4668, 8.2178, 3.6727)
contains.

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Color

**XYZ(13.4668, 8.2178,
3.6727)**

Conversions

Conversions Part 1

Format	Color
Hex	932C30
RGB	147, 44, 48
RGB Percent	58%, 17%, 19%
CMY	0.4235, 0.8274, 0.8118
CMYK	0.00, 0.70, 0.67, 0.42
HSL	358°, 54%, 37%
HSV	358°, 70%, 58%
XYZ	13.4668, 8.2178, 3.6727
YIQ	75.2530, 60.1040, 23.0800

Conversions

Conversions Part 2

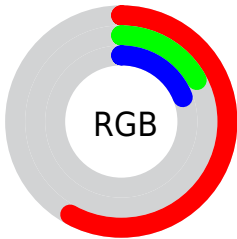
Format	Color
R_{YB}	147, 44, 48
Decimal	9645104
CIE _{Lab}	34.43, 43.28, 22.33
CIE _{LCh}	34, 48.703, 27.292
Yxy	8.2178, 0.5311, 0.3241
Android (android.graphics.Color)	4287835184 (0xFF932C30)
YUV	75.2530, -13.4357, 62.9221
Hunter-Lab	28.6667, 33.6875, 12.4706

Details

The XYZ color **13.4668, 8.2178, 3.6727** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.4310, 23.3863, 29.6370**, and the grayscale version is **6.7499, 7.1014, 7.7334**.

A 20% lighter version of the original color is **31.6569, 22.2957, 13.2247**, and **4.2219, 2.1759, 0.2262** is the 20% darker color. If you saturate the color by 10%, you get **12.7663, 7.2116, 2.2227**, and if you desaturate by 10%, it is **14.4546, 9.6501, 5.6770**.

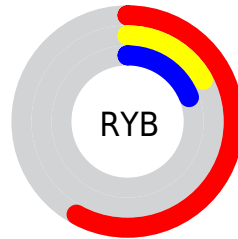
Distribution



Red (58%)

Green (17%)

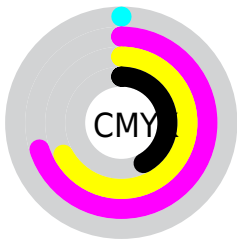
Blue (19%)



Red (58%)

Yellow (17%)

Blue (19%)

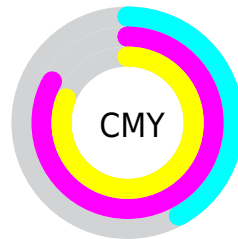


Cyan (0%)

Magenta (70%)

Yellow (67%)

Black (42%)



Cyan (42%)


Magenta (83%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4668, 8.2178, 3.6727 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 13.4668, 8.2178, 3.6727 by changing the saturation by 10% instead.


 13.4668, 8.2178,
3.6727


 13.4668, 8.2178,
3.6727


207.4657,
177.4305, 144.5148

 7.8300, 4.2346,
1.4476


 31.7341, 22.3843,
13.2476


 4.0372, 1.8057,
0.1784

 45.0953, 33.3365,
21.4344


 1.7232, 0.4907,
0.0000

 61.7621, 47.3804,
32.4456

 0.4707, 0.0000,
0.0000

 82.0997, 64.9005,
46.6995

 0.0000, 0.0000,
0.0000

 106.4735, 86.2811,
64.6149

 135.2488,

111.9068, 86.6103

168.7911,
142.1617, 113.1040

■ 13.4668, 8.2178,
3.6727

■ 13.4668, 8.2178,
3.6727

■ 12.7663, 7.2116,
2.2227

■ 14.4546, 9.6501,
5.6770

■ 12.3218, 6.5832,
1.2710

■ 15.7555, 11.5471,
8.2834

■ 12.0638, 6.2155,
0.7276

■ 17.3932, 13.9448,
11.5351

■ 19.3888, 16.8751,
15.4710

■ 21.7618, 20.3675,
20.1271

■ 24.5303, 24.4490,
25.5370

■ 27.7111, 29.1451,
31.7318

■ 31.3202, 34.4798,
38.7412

■ 35.3726, 40.4758,
46.5933

Harmonies

Analogous

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



14.3159, 8.2178, 9.6771



13.4668, 8.2178, 3.6727



11.0049, 8.2178, 1.3224

Triad

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



13.4668, 8.2178, 3.6727



4.1738, 8.2178, 3.0342



7.5654, 8.2178, 33.9360

Complementary

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



13.4668, 8.2178, 3.6727



16.4310, 23.3863, 29.6370

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.



5.3035, 8.2178, 28.4982



13.4668, 8.2178, 3.6727



3.6528, 8.2178, 8.2561

Square

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



13.4668, 8.2178, 3.6727



5.6424, 8.2178, 1.1336



4.0126, 8.2178, 17.7641



10.4738, 8.2178, 30.0637

Rectangle

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



13.4668, 8.2178, 3.6727



9.0235, 8.2178, 0.8289



4.0126, 8.2178, 17.7641



6.7119, 8.2178, 33.0883

Sweetspot

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



13.4670, 8.2183, 3.6728



38.3500, 35.5584, 34.8256



17.2970, 9.6460, 28.5538



8.5034, 7.7476, 7.4579



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.



13.4670, 8.2183, 3.6728



22.3596, 12.2005, 2.9127



16.1734, 13.7570, 4.1865



5.8094, 5.8188, 6.1023



10.4609, 5.3894, 0.6422



0.1298, 0.0667, 0.0174

Inverse Universe

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



13.4670, 8.2183, 3.6728



22.3596, 12.2005, 2.9127



10.9255, 11.8823, 29.3213



5.8094, 5.8188, 6.1023



10.4609, 5.3894, 0.6422



0.1298, 0.0667, 0.0174

Previews

White Background



This preview shows how the XYZ color 13.4668, 8.2178, 3.6727 looks on a white background.

Color Contrast Check

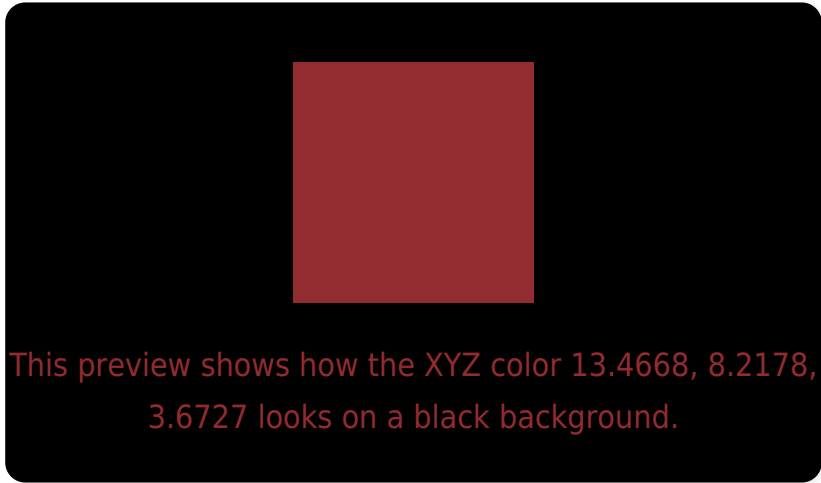
Large Text (above 18pt) WCAG AA ✓ Pass

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

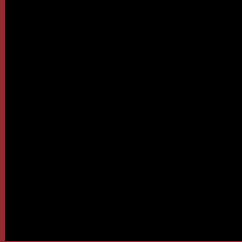
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4668, 8.2178, 3.6727

Background



This preview shows how black text looks on a background with the XYZ color 13.4668, 8.2178, 3.6727.

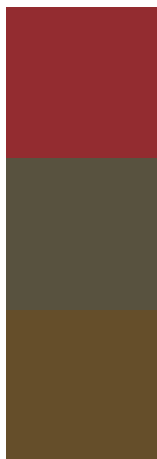


This preview shows how white text looks on a background with the XYZ color 13.4668, 8.2178,

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

13.4668, 8.2178, 3.6727

Protanopia

7.9390, 8.4682, 5.9187

Deuteranopia

8.5091, 8.3826, 3.3600



Tritanopia

13.4264, 8.2017, 3.4602

Trichromacy



Original Color

13.4668, 8.2178, 3.6727

Protanomaly

9.1375, 7.6909, 5.0059

Deuteranomaly

9.8741, 7.9298, 3.3931

Tritanomaly

13.4464, 8.2096, 3.5652

Monochromacy



Original Color

13.4668, 8.2178, 3.6727

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

8.1544, 6.8151, 5.8867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4668, 8.2178, 3.6727 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, 44, 48)` looks like.

```
.text, #text, p{  
    color:rgb(147, 44, 48)  
}
```

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, 44, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 44, 48) }
```

Border

The CSS property to change the border of an element to XYZ 13.4668, 8.2178, 3.6727 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, 44, 48) }
```


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

```
.border{ border-color:rgb(147, 44, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 44, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 44, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 44, 48);  
box-shadow:4px 4px 4px 4px rgb(147, 44,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4668, 8.2178, 3.6727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 44, 48) }
```

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

```
.background{ background-color: rgb(147, 44,  
48) }
```

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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