

Converting Colors

XYZ(13.2720, 8.4763, 7.6997)

Have a look what the booklet for
XYZ(13.2720, 8.4763, 7.6997)
contains.

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Color

**XYZ(13.3036, 8.4649,
7.7702)**

Conversions

Conversions Part 1

Format	Color
Hex	8C334C
RGB	140, 51, 76
RGB Percent	55%, 20%, 30%
CMY	0.4510, 0.8000, 0.7020
CMYK	0.00, 0.64, 0.46, 0.45
HSL	343°, 47%, 37%
HSV	343°, 64%, 55%
XYZ	13.3036, 8.4649, 7.7702
YIQ	80.4610, 45.0190, 26.6430

Conversions

Conversions Part 2

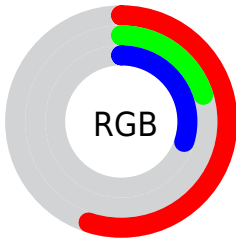
Format	Color
R_{YB}	140, 51, 76
Decimal	9188172
CIE _{Lab}	34.93, 40.07, 4.86
CIE _{LCh}	35, 40.360, 6.913
Yxy	8.4649, 0.4504, 0.2866
Android (android.graphics.Color)	4287378252 (0xFF8C334C)
YUV	80.4610, -2.1993, 52.2157
Hunter-Lab	29.0945, 30.7046, 4.5317

Details

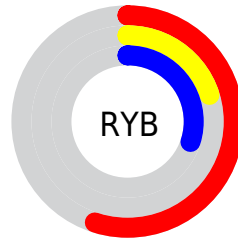
The XYZ color **13.3036, 8.4649, 7.7702** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **13.8384, 20.6981, 19.4868**, and the grayscale version is **7.7134, 8.1150, 8.8373**.

A 20% lighter version of the original color is **31.4790, 22.8537, 22.1541**, and **4.0070, 2.0356, 1.5482** is the 20% darker color. If you saturate the color by 10%, you get **12.4584, 7.2915, 5.8946**, and if you desaturate by 10%, it is **14.3883, 10.0296, 9.9961**.

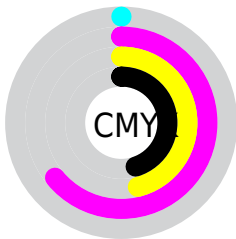
Distribution



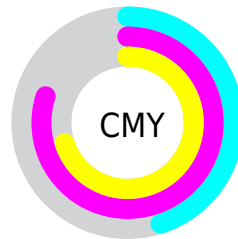
- Red (55%)
- Green (20%)
- Blue (30%)



- Red (55%)
- Yellow (20%)
- Blue (30%)



- Cyan (0%)
- Magenta (64%)
- Yellow (46%)
- Black (45%)





- Cyan (45%)
- Magenta (80%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.3036, 8.4649, 7.7702 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 13.3036, 8.4649, 7.7702 by changing the saturation by 10% instead.


 13.3036, 8.4649,
7.7702


 13.3036, 8.4649,
7.7702


206.4528,
179.3343, 183.7851


 7.7164, 4.3938,
3.8626


 31.4448, 22.8649,
22.0454


 3.9643, 1.8962,
1.5503

 44.7296, 33.9627,
33.2500


 1.6819, 0.5461,
0.2550

 61.3108, 48.1714,
47.7241

 0.4449, 0.0000,
0.0000

 81.5540, 65.8756,
65.8862

 0.0000, 0.0000,
0.0000

 105.8245, 87.4596,
88.1548

 134.4875,

113.3078, 114.9485

167.9085,
143.8045, 146.6857

■ 13.3036, 8.4649,
7.7702

■ 13.3036, 8.4649,
7.7702

■ 12.4584, 7.2915,
5.8946

■ 14.3883, 10.0296,
9.9961

■ 11.8323, 6.4727,
4.3498

■ 15.7292, 12.0152,
12.5894

■ 11.4021, 5.9666,
3.1145

■ 17.3422, 14.4499,
15.5665

■ 11.1868, 5.7241,
2.4627

■ 19.2417, 17.3592,
18.9426

■ 21.4411, 20.7666,
22.7322

■ 23.9529, 24.6940,
26.9488

■ 26.7889, 29.1621,
31.6056

■ 29.9603, 34.1904,
36.7148

■ 33.4776, 39.7974,
42.2885

Harmonies

Analogous

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



12.8569, 8.4649, 15.1520



13.3036, 8.4649, 7.7702



12.1406, 8.4649, 3.4972

Triad

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



13.3036, 8.4649, 7.7702



5.6640, 8.4649, 2.3325



6.4281, 8.4649, 26.5467

Complementary

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



13.3036, 8.4649, 7.7702



13.8384, 20.6981, 19.4868

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.



4.9937, 8.4649, 19.1504



13.3036, 8.4649, 7.7702



4.6151, 8.4649, 5.0778

Square

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



13.3036, 8.4649, 7.7702



7.5232, 8.4649, 1.4817



4.3956, 8.4649, 10.8327



8.5917, 8.4649, 28.4643

Rectangle

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



13.3036, 8.4649, 7.7702



10.7193, 8.4649, 2.1431



4.3956, 8.4649, 10.8327



5.8582, 8.4649, 24.4909

Sweetspot

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



13.3038, 8.4654, 7.7703



35.4745, 32.9996, 36.0911



12.9597, 7.8918, 25.6513



7.9530, 7.2621, 7.9329



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.



13.3038, 8.4654, 7.7703



21.4749, 12.2013, 9.2255



13.6211, 10.2309, 4.3894



5.0869, 5.0702, 5.5459



9.9476, 5.0891, 2.2283



0.0717, 0.0360, 0.0443

Inverse Universe

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



13.3038, 8.4654, 7.7703



21.4749, 12.2013, 9.2255



12.9023, 16.2037, 27.2587



5.0869, 5.0702, 5.5459



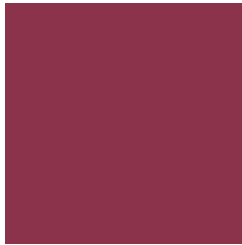
9.9476, 5.0891, 2.2283



0.0717, 0.0360, 0.0443

Previews

White Background



This preview shows how the XYZ color 13.3036, 8.4649, 7.7702 looks on a white background.

Color Contrast Check

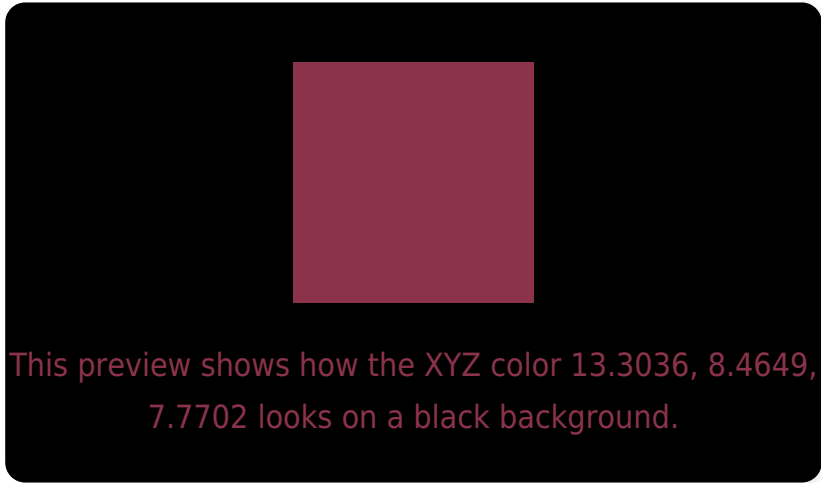
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3036, 8.4649, 7.7702

Background



This preview shows how black text looks on a background with the XYZ color 13.3036, 8.4649, 7.7702.



This preview shows how white text looks on a background with the XYZ color 13.3036, 8.4649,

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

13.3036, 8.4649, 7.7702

Protanopia

8.4310, 8.5921, 11.8037

Deuteranopia

8.7577, 8.6381, 7.3366



Tritanopia

12.7774, 8.5268, 4.9754

Trichromacy



Original Color

13.3036, 8.4649, 7.7702

Protanomaly

9.4530, 8.0194, 10.0665

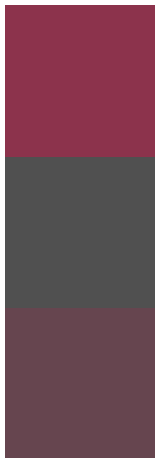
Deuteranomaly

9.8863, 8.1168, 7.3490

Tritanomaly

12.9208, 8.5090, 5.9624

Monochromacy



Original Color

13.3036, 8.4649, 7.7702

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

9.0189, 7.6455, 8.3975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3036, 8.4649, 7.7702 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(140, 51, 76)` looks like.

```
.text, #text, p{  
    color:rgb(140, 51, 76)  
}
```

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(140, 51, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 51, 76) }
```

Border

The CSS property to change the border of an element to XYZ 13.3036, 8.4649, 7.7702 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(140, 51, 76) }
```


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

```
.border{ border-color:rgb(140, 51, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 51, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 51, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 51, 76);  
box-shadow:4px 4px 4px 4px rgb(140, 51,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3036, 8.4649, 7.7702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 51, 76) }
```

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

```
.background{ background-color: rgb(140, 51,  
76) }
```

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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