

Converting Colors

XYZ(13.5931, 9.7845, 12.2124)

Have a look what the booklet for
XYZ(13.5931, 9.7845, 12.2124)
contains.

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Color

**XYZ(13.6342, 9.7644,
12.2324)**

Conversions

Conversions Part 1

Format	Color
Hex	844360
RGB	132, 67, 96
RGB Percent	52%, 26%, 38%
CMY	0.4824, 0.7372, 0.6235
CMYK	0.00, 0.49, 0.27, 0.48
HSL	333°, 33%, 39%
HSV	333°, 49%, 52%
XYZ	13.6342, 9.7644, 12.2324
YIQ	89.7410, 29.4310, 22.7990

Conversions

Conversions Part 2

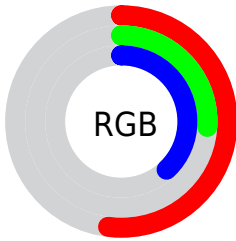
Format	Color
R_{YB}	132, 67, 96
Decimal	8668000
CIE _{Lab}	37.42, 31.50, -4.41
CIE _{LCh}	37, 31.803, 352.034
Yxy	9.7644, 0.3826, 0.2740
Android (android.graphics.Color)	4286858080 (0xFF844360)
YUV	89.7410, 3.0857, 37.0611
Hunter-Lab	31.2480, 23.1994, -1.3361

Details

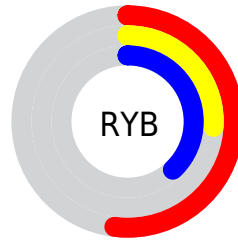
The XYZ color **13.6342, 9.7644, 12.2324** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **13.0147, 18.6754, 15.7518**, and the grayscale version is **9.6493, 10.1518, 11.0553**.

A 20% lighter version of the original color is **32.0431, 25.3627, 30.4008**, and **4.1169, 2.4015, 3.2642** is the 20% darker color. If you saturate the color by 10%, you get **12.6160, 8.2417, 10.3088**, and if you desaturate by 10%, it is **14.8632, 11.6583, 14.3810**.

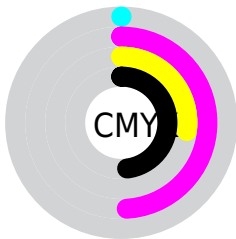
Distribution



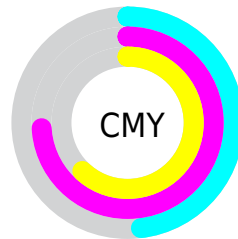
- Red (52%)
- Green (26%)
- Blue (38%)



- Red (52%)
- Yellow (26%)
- Blue (38%)



- Cyan (0%)
- Magenta (49%)
- Yellow (27%)
- Black (48%)



- Cyan (48%)
- Magenta (74%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6342, 9.7644, 12.2324 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 13.6342, 9.7644, 12.2324 by changing the saturation by 10% instead.

■ 13.6342, 9.7644,
12.2324

■ 13.6342, 9.7644,
12.2324

208.4996,
188.9822, 216.9701

■ 7.9467, 5.2430,
6.7777

■ 32.0303, 25.3514,
30.5884

■ 4.1124, 2.3906,
3.2471

■ 45.4695, 37.1858,
44.3267

■ 1.7659, 0.8210,
1.2222

■ 62.2234, 52.2267,
61.6634

■ 0.4970, 0.0000,
0.0000

■ 82.6573, 70.8585,
83.0169

■ 0.0000, 0.0000,
0.0000

■ 107.1365, 93.4656,
108.8058

136.0264,

120.4322, 139.4485

169.6923,
152.1430, 175.3638

■ 13.6342, 9.7644,
12.2324

■ 13.6342, 9.7644,
12.2324

■ 12.6160, 8.2417,
10.3088

■ 14.8632, 11.6583,
14.3810

■ 11.7945, 7.0639,
8.6009

■ 16.3142, 13.9448,
16.7620

■ 11.1553, 6.2034,
7.0998


■ 17.9984, 16.6450,
19.3831


■ 10.6813, 5.6275,
5.7950


■ 19.9260, 19.7784,
22.2516


■ 10.3276, 5.2477,
4.6669


■ 22.1069, 23.3630,
25.3743

 10.3023, 5.2202,
4.5871

 24.5500, 27.4159,
28.7576

 27.2640, 31.9533,
32.4080

 30.2572, 36.9906,
36.3314

 33.5374, 42.5425,
40.5337

Harmonies

Analogous

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



12.6548, 9.7644, 18.9489



13.6342, 9.7644, 12.2324



13.3216, 9.7644, 7.0120

Triad

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



13.6342, 9.7644, 12.2324



7.9115, 9.7644, 3.3415



7.1102, 9.7644, 21.8934

Complementary

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



13.6342, 9.7644, 12.2324



13.0147, 18.6754, 15.7518

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.



6.1528, 9.7644, 15.3221



13.6342, 9.7644, 12.2324



6.5670, 9.7644, 5.1935

Square

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



13.6342, 9.7644, 12.2324



9.8240, 9.7644, 3.0291



5.9693, 9.7644, 9.1772



8.7579, 9.7644, 25.6950

Rectangle

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



13.6342, 9.7644, 12.2324



12.4403, 9.7644, 4.8308



5.9693, 9.7644, 9.1772



6.7074, 9.7644, 19.8430

Sweetspot

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



13.6345, 9.7649, 12.2326



32.9778, 31.3825, 36.0636



11.7374, 8.5497, 22.8615



7.5389, 7.0811, 8.1877



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.6345, 9.7649, 12.2326



22.0507, 14.2657, 17.8165



12.7351, 9.7230, 6.5163



4.7525, 4.7207, 5.3090



9.9778, 5.0555, 4.4553



0.0382, 0.0189, 0.0343

Inverse Universe

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



13.6345, 9.7649, 12.2326



22.0507, 14.2657, 17.8165



14.2973, 18.4942, 24.6461



4.7525, 4.7207, 5.3090



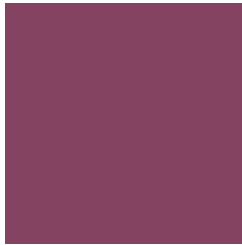
9.9778, 5.0555, 4.4553



0.0382, 0.0189, 0.0343

Previews

White Background



This preview shows how the XYZ color 13.6342, 9.7644, 12.2324 looks on a white background.

Color Contrast Check

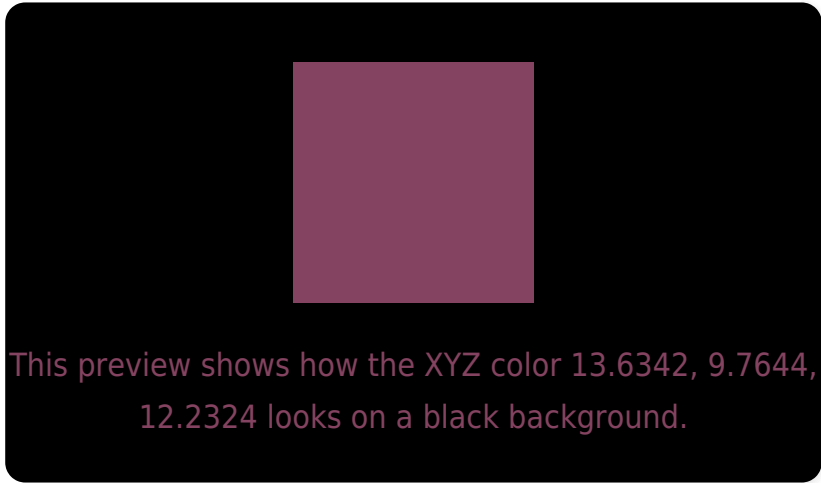
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6342, 9.7644, 12.2324

Background



This preview shows how black text looks on a background with the XYZ color 13.6342, 9.7644, 12.2324.



This preview shows how white text looks on a background with the XYZ color 13.6342, 9.7644,

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

13.6342, 9.7644, 12.2324

Protanopia

9.9062, 9.9684, 15.8700

Deuteranopia

10.0229, 9.8788, 11.7345



Tritanopia

12.7637, 9.7741, 8.0513

Trichromacy



Original Color

13.6342, 9.7644, 12.2324

Protanomaly

10.7342, 9.5035, 14.3653

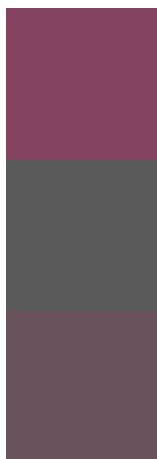
Deuteranomaly

11.0007, 9.5883, 11.8606

Tritanomaly

13.1116, 9.8301, 9.3900

Monochromacy



Original Color

13.6342, 9.7644, 12.2324

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.7748, 9.8106, 11.4509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6342, 9.7644, 12.2324 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(132, 67, 96)` looks like.

```
.text, #text, p{  
    color:rgb(132, 67, 96)  
}
```

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(132, 67, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 67, 96) }
```

Border

The CSS property to change the border of an element to XYZ 13.6342, 9.7644, 12.2324 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(132, 67, 96) }
```


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

```
.border{ border-color:rgb(132, 67, 96) }
```

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

Here you see how a box with a 4 pixel rgb(132, 67, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 67, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 67, 96);  
box-shadow:4px 4px 4px 4px rgb(132, 67,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6342, 9.7644, 12.2324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 67, 96) }
```

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

```
.background{ background-color: rgb(132, 67,  
96) }
```

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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