

Converting Colors

XYZ(13.2037, 7.1331, 7.8888)

Have a look what the booklet for
XYZ(13.2037, 7.1331, 7.8888)
contains.

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Color

**XYZ(13.2034, 7.1326,
7.8886)**

Conversions

Conversions Part 1

Format	Color
Hex	90184E
RGB	144, 24, 78
RGB Percent	56%, 9%, 31%
CMY	0.4353, 0.9058, 0.6941
CMYK	0.00, 0.83, 0.46, 0.44
HSL	333°, 71%, 33%
HSV	333°, 83%, 56%
XYZ	13.2034, 7.1326, 7.8886
YIQ	66.0360, 54.1860, 42.2340

Conversions

Conversions Part 2

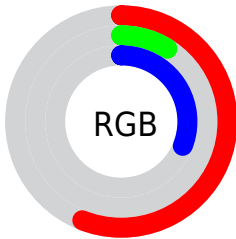
Format	Color
R_{YB}	144, 24, 78
Decimal	9443406
CIE _{Lab}	32.11, 51.59, -0.43
CIE _{LCh}	32, 51.596, 359.519
Yxy	7.1326, 0.4678, 0.2527
Android (android.graphics.Color)	4287633486 (0xFF90184E)
YUV	66.0360, 5.8983, 68.3744
Hunter-Lab	26.7069, 41.5099, 1.1820

Details

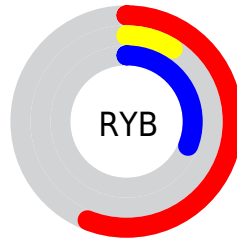
The XYZ color **13.2034, 7.1326, 7.8886** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **12.1960, 20.8792, 13.0621**, and the grayscale version is **5.1699, 5.4391, 5.9232**.

A 20% lighter version of the original color is **31.2811, 20.2754, 22.3435**, and **4.3132, 2.1902, 1.7088** is the 20% darker color. If you saturate the color by 10%, you get **12.7139, 6.5811, 6.4078**, and if you desaturate by 10%, it is **13.8844, 8.0124, 9.6022**.

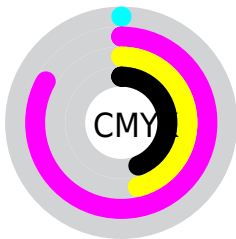
Distribution



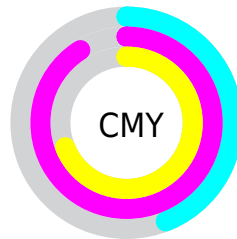
- Red (56%)
- Green (9%)
- Blue (31%)



- Red (56%)
- Yellow (9%)
- Blue (31%)



- Cyan (0%)
- Magenta (83%)
- Yellow (46%)
- Black (44%)





- Cyan (44%)
- Magenta (91%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.2034, 7.1326, 7.8886 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 13.2034, 7.1326, 7.8886 by changing the saturation by 10% instead.


 13.2034, 7.1326,
7.8886

 13.2034, 7.1326,
7.8886


205.8285,
168.7610, 184.7575


 7.6467, 3.5452,
3.9370


 31.2669, 20.2395,
22.2823


 3.9196, 1.4225,
1.5908

 44.5045, 30.5277,
33.5615


 1.6568, 0.2332,
0.2843

 61.0331, 43.8183,
48.1203

 0.4290, 0.0000,
0.0000

 81.2180, 60.4957,
66.3773

 0.0000, 0.0000,
0.0000

 105.4247, 80.9443,
88.7509

 134.0184,

105.5484, 115.6598

167.3646,
134.6925, 147.5225

13.2034, 7.1326,
7.8886

13.2034, 7.1326,
7.8886

12.7139, 6.5811,
6.4078

13.8844, 8.0124,
9.6022

12.4498, 6.3086,
5.5314

14.7793, 9.2634,
11.5615

15.9077, 10.9231,
13.7786

17.2867, 13.0240,
16.2642

18.9318, 15.5953,
19.0286

■ 20.8570, 18.6638,
22.0811

■ 23.0755, 22.2540,
25.4308

■ 25.5995, 26.3891,
29.0863

■ 28.4405, 31.0908,
33.0556

Harmonies

Analogous

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



12.1427, 7.1326, 17.6820



13.2034, 7.1326, 7.8886



12.2055, 7.1326, 2.5903

Triad

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



13.2034, 7.1326, 7.8886



4.5791, 7.1326, 0.7311



4.5226, 7.1326, 28.1491

Complementary

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



13.2034, 7.1326, 7.8886



12.1960, 20.8792, 13.0621

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.



3.2603, 7.1326, 17.3195



13.2034, 7.1326, 7.8886



3.2864, 7.1326, 2.4902

Square

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



13.2034, 7.1326, 7.8886



6.8219, 7.1326, 0.2630



2.8735, 7.1326, 7.6451



6.7369, 7.1326, 33.1437

Rectangle

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



13.2034, 7.1326, 7.8886



10.6240, 7.1326, 1.1357



2.8735, 7.1326, 7.6451



3.9961, 7.1326, 24.8288

Sweetspot

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



13.2036, 7.1330, 7.8887



36.0013, 31.6585, 37.7249



9.5777, 4.8411, 26.8152



8.0062, 6.8613, 8.2578



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.2036, 7.1330, 7.8887



21.8770, 11.0942, 9.3267



12.1311, 6.9243, 1.5618



5.5034, 5.4619, 6.1490



10.8531, 5.4983, 4.8777



0.1146, 0.0569, 0.1038

Inverse Universe

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



13.2036, 7.1330, 7.8887



21.8770, 11.0942, 9.3267



14.4995, 20.3850, 29.5561



5.5034, 5.4619, 6.1490



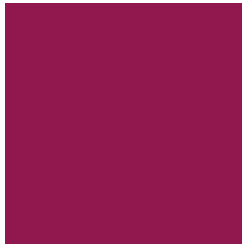
10.8531, 5.4983, 4.8777



0.1146, 0.0569, 0.1038

Previews

White Background



This preview shows how the XYZ color 13.2034, 7.1326, 7.8886 looks on a white background.

Color Contrast Check

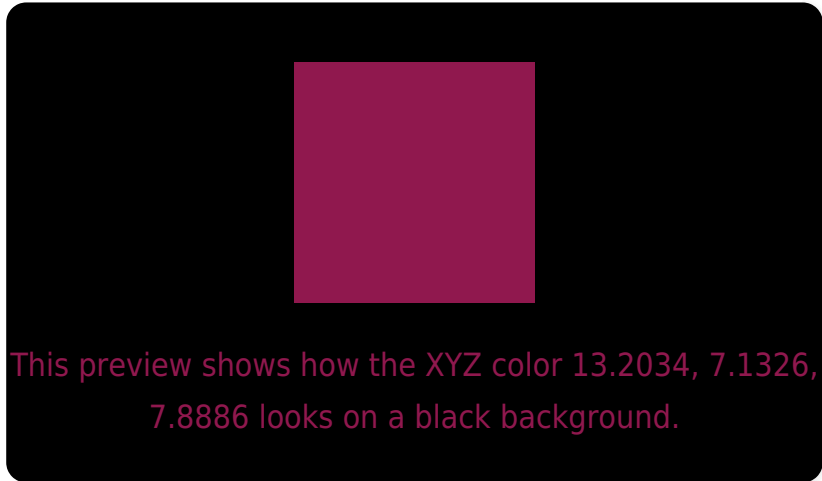
Large Text (above 18pt) WCAG AA ✓ Pass

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

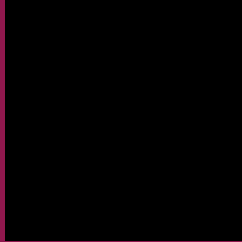
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2034, 7.1326, 7.8886

Background



This preview shows how black text looks on a background with the XYZ color 13.2034, 7.1326, 7.8886.



This preview shows how white text looks on a background with the XYZ color 13.2034, 7.1326,

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

13.2034, 7.1326, 7.8886

Protanopia

7.6751, 7.4805, 15.2267

Deuteranopia

7.6163, 7.5263, 7.1822



Tritanopia

12.1667, 7.2139, 2.5849

Trichromacy



Original Color

13.2034, 7.1326, 7.8886

Protanomaly

8.4447, 6.2761, 12.0756

Deuteranomaly

8.8345, 6.5109, 7.2697

Tritanomaly

12.4868, 7.1297, 4.0862

Monochromacy



Original Color

13.2034, 7.1326, 7.8886

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

6.9054, 5.1895, 6.4321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2034, 7.1326, 7.8886 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(144, 24, 78)` looks like.

```
.text, #text, p{  
    color:rgb(144, 24, 78)  
}
```

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(144, 24, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 24, 78) }
```

Border

The CSS property to change the border of an element to XYZ 13.2034, 7.1326, 7.8886 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(144, 24, 78) }
```


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

```
.border{ border-color:rgb(144, 24, 78) }
```

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

Here you see how a box with a 4 pixel rgb(144, 24, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 24, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 24, 78);  
box-shadow:4px 4px 4px 4px rgb(144, 24,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2034, 7.1326, 7.8886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 24, 78) }
```

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

```
.background{ background-color: rgb(144, 24,  
78) }
```

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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