

Converting Colors

XYZ(12.9646, 6.5419, 7.0042)

Have a look what the booklet for
XYZ(12.9646, 6.5419, 7.0042)
contains.

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Color

**XYZ(12.9131, 6.5142,
7.0553)**

Conversions

Conversions Part 1

Format	Color
Hex	91004A
RGB	145, 0, 74
RGB Percent	57%, 0%, 29%
CMY	0.4314, 0.9999, 0.7098
CMYK	0.00, 1.00, 0.49, 0.43
HSL	329°, 100%, 28%
HSV	329°, 100%, 57%
XYZ	12.9131, 6.5142, 7.0553
YIQ	51.7910, 62.6660, 53.7540

Conversions

Conversions Part 2

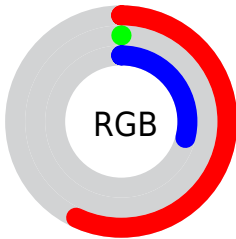
Format	Color
R_{YB}	145, 0, 74
Decimal	9502794
CIE _{Lab}	30.67, 55.86, 0.14
CIE _{LCh}	31, 55.858, 0.146
Yxy	6.5142, 0.4876, 0.2460
Android (android.graphics.Color)	4287692874 (0xFF91004A)
YUV	51.7910, 10.9490, 81.7443
Hunter-Lab	25.5229, 45.6454, 1.4765

Details

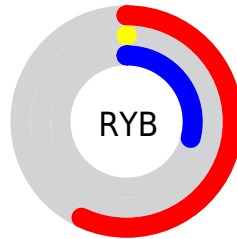
The XYZ color **12.9131, 6.5142, 7.0553** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **11.2636, 20.7061, 9.3677**, and the grayscale version is **3.2229, 3.3907, 3.6925**.

A 20% lighter version of the original color is **30.7972, 19.0076, 20.4580**, and **4.2718, 2.1736, 1.4907** is the 20% darker color. If you saturate the color by 10%, you get **12.9127, 6.5140, 7.0535**, and if you desaturate by 10%, it is **13.3301, 6.9436, 8.4421**.

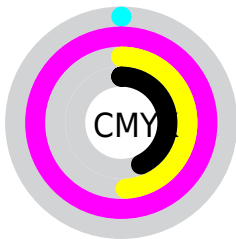
Distribution



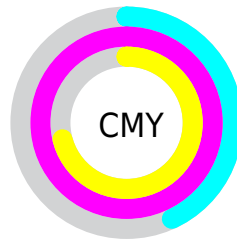
- Red (57%)
- Green (0%)
- Blue (29%)



- Red (57%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (49%)
- Black (43%)





- Cyan (43%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.9131, 6.5142, 7.0553 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 12.9131, 6.5142, 7.0553 by changing the saturation by 10% instead.


 12.9131, 6.5142,
7.0553


 12.9131, 6.5142,
7.0553


204.0089,
163.5638, 177.7707


 7.4453, 3.1602,
3.4177


 30.7502, 18.9890,
20.5991


 3.7909, 1.2159,
1.3117

 43.8503, 28.8786,
31.3425


 1.5845, 0.0747,
0.0713

 60.2251, 41.7155,
45.2915

 0.3823, 0.0000,
0.0000


 80.2401, 57.8842,
62.8648


 0.0000, 0.0000,
0.0000


 104.2607, 77.7689,
84.4808


 132.6520,


101.7542, 110.5581

 165.7797,
130.2243, 141.5152

 12.9131, 6.5142,
7.0553


 12.9131, 6.5142,
7.0553


 12.9127, 6.5140,
7.0535

 13.3301, 6.9436,
8.4421

 13.8867, 7.6074,
10.0129

 14.6393, 8.6173,
11.7906

 15.6095, 10.0153,
13.7861

 16.8158, 11.8371,
16.0094

■ 18.2746, 14.1146,
18.4696

■ 20.0010, 16.8763,
21.1751

■ 22.0085, 20.1487,
24.1337

■ 24.3099, 23.9562,
27.3529

Harmonies

Analogous

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



11.8279, 6.5142, 17.2781



12.9131, 6.5142, 7.0553



11.8077, 6.5142, 1.9606

Triad

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



12.9131, 6.5142, 7.0553



3.9459, 6.5142, 0.3205



3.9628, 6.5142, 29.1616

Complementary

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



12.9131, 6.5142, 7.0553



11.2636, 20.7061, 9.3677

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.



2.7169, 6.5142, 17.3964



12.9131, 6.5142, 7.0553



2.7094, 6.5142, 1.9884

Square

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



12.9131, 6.5142, 7.0553



6.1784, 6.5142, 0.0000



2.3337, 6.5142, 7.1305



6.2047, 6.5142, 34.4865

Rectangle

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



12.9131, 6.5142, 7.0553



10.1194, 6.5142, 0.6996



2.3337, 6.5142, 7.1305



3.4398, 6.5142, 25.5463

Sweetspot

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



12.9133, 6.5146, 7.0554



35.6064, 29.8798, 37.5982



7.6436, 3.3504, 27.0318



7.6531, 6.2163, 7.9510



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.



12.9133, 6.5146, 7.0554



23.0366, 11.6304, 12.1669



11.6906, 6.0255, 0.6169



5.5165, 5.4671, 6.2179



11.0889, 5.5926, 6.1193



0.1171, 0.0579, 0.1171

Inverse Universe

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



12.9133, 6.5146, 7.0554



23.0366, 11.6304, 12.1669



15.0521, 22.2214, 29.3173



5.5165, 5.4671, 6.2179



11.0889, 5.5926, 6.1193



0.1171, 0.0579, 0.1171

Previews

White Background



This preview shows how the XYZ color 12.9131, 6.5142, 7.0553 looks on a white background.

Color Contrast Check

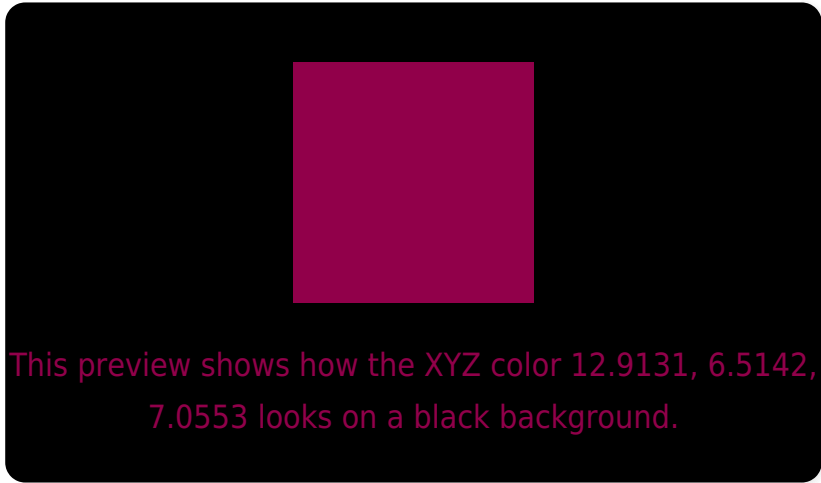
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9131, 6.5142, 7.0553

Background



This preview shows how black text looks on a background with the XYZ color 12.9131, 6.5142, 7.0553.



This preview shows how white text looks on a background with the XYZ color 12.9131, 6.5142,

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

12.9131, 6.5142, 7.0553

Protanopia

7.2826, 7.0829, 14.8932

Deuteranopia

7.2637, 7.1609, 6.4682



Tritanopia

11.9888, 6.8071, 1.8444

Trichromacy



Original Color

12.9131, 6.5142, 7.0553

Protanomaly

7.6982, 5.2389, 11.4320

Deuteranomaly

8.1459, 5.5220, 6.4309

Tritanomaly

12.1916, 6.5514, 3.1046

Monochromacy



Original Color

12.9131, 6.5142, 7.0553

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.1972, 3.3924, 4.6558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9131, 6.5142, 7.0553 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(145, 0, 74)` looks like.

```
.text, #text, p{  
    color:rgb(145, 0, 74)  
}
```

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(145, 0, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 0, 74) }
```

Border

The CSS property to change the border of an element to XYZ 12.9131, 6.5142, 7.0553 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(145, 0, 74) }
```


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

```
.border{ border-color:rgb(145, 0, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 0, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 0, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 0, 74);  
box-shadow:4px 4px 4px 4px rgb(145, 0, 74)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.9131, 6.5142, 7.0553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 0, 74) }
```

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

```
.background{ background-color: rgb(145, 0,  
74) }
```

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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