

Converting Colors

XYZ(12.9493, 6.7697, 7.3053)

Have a look what the booklet for
XYZ(12.9493, 6.7697, 7.3053)
contains.

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Color

**XYZ(12.9286, 6.7514,
7.2783)**

Conversions

Conversions Part 1

Format	Color
Hex	900E4B
RGB	144, 14, 75
RGB Percent	56%, 5%, 29%
CMY	0.4353, 0.9450, 0.7059
CMYK	0.00, 0.90, 0.48, 0.44
HSL	332°, 82%, 31%
HSV	332°, 90%, 56%
XYZ	12.9286, 6.7514, 7.2783
YIQ	59.8240, 57.8990, 46.5310

Conversions

Conversions Part 2

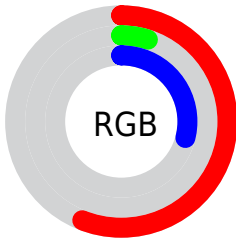
Format	Color
R_{YB}	144, 14, 75
Decimal	9440843
CIE Lab	31.23, 53.55, 0.27
CIE LCh	31, 53.548, 0.289
Yxy	6.7514, 0.4796, 0.2504
Android (android.graphics.Color)	4287630923 (0xFF900E4B)
YUV	59.8240, 7.4818, 73.8224
Hunter-Lab	25.9835, 43.3453, 1.5805

Details

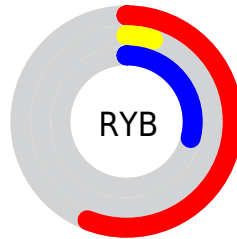
The XYZ color **12.9286, 6.7514, 7.2783** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **11.7166, 20.6647, 11.5582**, and the grayscale version is **4.2561, 4.4777, 4.8763**.

A 20% lighter version of the original color is **30.7196, 19.4606, 21.2059**, and **4.1912, 2.1305, 1.5568** is the 20% darker color. If you saturate the color by 10%, you get **12.5315, 6.3412, 5.9620**, and if you desaturate by 10%, it is **13.4744, 7.3987, 8.8297**.

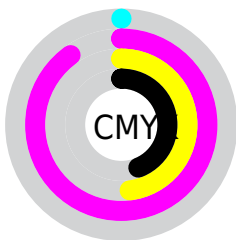
Distribution



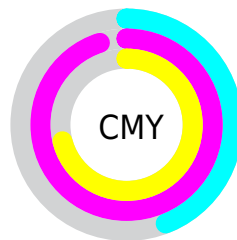
- Red (56%)
- Green (5%)
- Blue (29%)



- Red (56%)
- Yellow (5%)
- Blue (29%)



- Cyan (0%)
- Magenta (90%)
- Yellow (48%)
- Black (44%)





- Cyan (44%)
- Magenta (95%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.9286, 6.7514, 7.2783 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 12.9286, 6.7514, 7.2783 by changing the saturation by 10% instead.


 12.9286, 6.7514,
7.2783


 12.9286, 6.7514,
7.2783


204.1064,
165.5817, 179.6743


 7.4561, 3.3071,
3.5557


 30.7779, 19.4713,
21.0533


 3.7978, 1.2941,
1.3849

 43.8853, 29.5158,
31.9427


 1.5884, 0.1366,
0.1299

 60.2684, 42.5290,
46.0581

 0.3848, 0.0000,
0.0000

 80.2925, 58.8955,
63.8181

 0.0000, 0.0000,
0.0000

 104.3230, 78.9996,
85.6411

 132.7253,

103.2258, 111.9458

165.8646,
131.9584, 143.1507

12.9286, 6.7514,
7.2783

12.9286, 6.7514,
7.2783

12.5315, 6.3412,
5.9620

13.4744, 7.3987,
8.8297

14.2165, 8.3869,
10.6068

15.1768, 9.7576,
12.6220

16.3737, 11.5465,
14.8861

17.8237, 13.7848,
17.4092

■ 19.5417, 16.5010,
20.2006

■ 21.5413, 19.7210,
23.2691

■ 23.8352, 23.4689,
26.6231

■ 26.4354, 27.7674,
30.2704

Harmonies

Analogous

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



11.8957, 6.7514, 17.1348



12.9286, 6.7514, 7.2783



11.8572, 6.7514, 2.1948

Triad

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



12.9286, 6.7514, 7.2783



4.1871, 6.7514, 0.5323



4.2204, 6.7514, 28.5072

Complementary

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



12.9286, 6.7514, 7.2783



11.7166, 20.6647, 11.5582

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.



2.9627, 6.7514, 17.3582



12.9286, 6.7514, 7.2783



2.9475, 6.7514, 2.2519

Square

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



12.9286, 6.7514, 7.2783



6.3915, 6.7514, 0.0213



2.5687, 6.7514, 7.4244



6.4426, 6.7514, 33.4759

Rectangle

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



12.9286, 6.7514, 7.2783



10.2261, 6.7514, 0.8850



2.5687, 6.7514, 7.4244



3.6952, 6.7514, 25.1000

Sweetspot

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



12.9288, 6.7518, 7.2784



35.3736, 30.5547, 37.0483



8.5996, 4.0852, 26.7206



7.8811, 6.6376, 8.1344



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.



12.9288, 6.7518, 7.2784



22.0202, 11.1515, 10.0804



11.7689, 6.3371, 1.0190



5.5076, 5.4636, 6.1709



10.9245, 5.5268, 5.2535



0.1154, 0.0572, 0.1080

Inverse Universe

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



12.9288, 6.7518, 7.2784



22.0202, 11.1515, 10.0804



14.8636, 21.4035, 29.7332



5.5076, 5.4636, 6.1709



10.9245, 5.5268, 5.2535



0.1154, 0.0572, 0.1080

Previews

White Background



This preview shows how the XYZ color 12.9286, 6.7514, 7.2783 looks on a white background.

Color Contrast Check

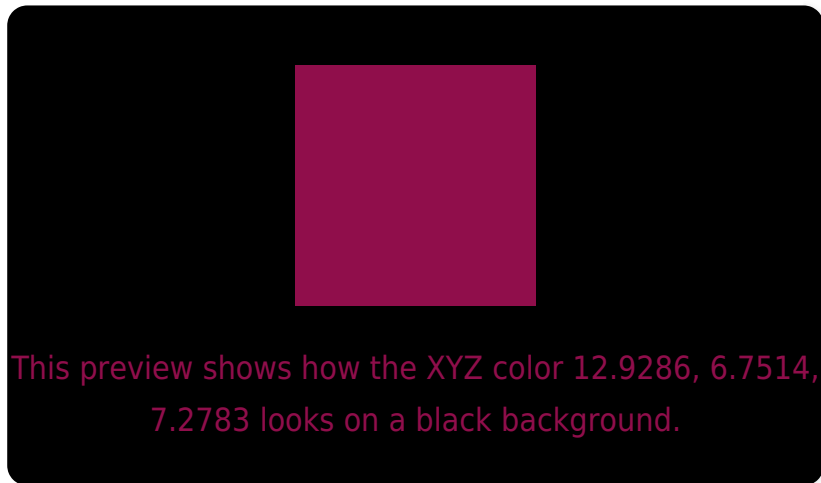
Large Text (above 18pt) WCAG AA ✓ Pass

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

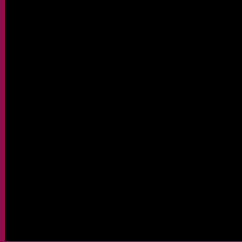
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9286, 6.7514, 7.2783

Background



This preview shows how black text looks on a background with the XYZ color 12.9286, 6.7514, 7.2783.



This preview shows how white text looks on a background with the XYZ color 12.9286, 6.7514,

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

12.9286, 6.7514, 7.2783

Protanopia

7.4167, 7.2519, 14.9188

Deuteranopia

7.2030, 7.1261, 6.6260



Tritanopia

11.9326, 6.8881, 2.0671

Trichromacy



Original Color

12.9286, 6.7514, 7.2783

Protanomaly

7.9548, 5.7521, 11.5175

Deuteranomaly

8.3092, 5.9751, 6.6766

Tritanomaly

12.2088, 6.7483, 3.4554

Monochromacy



Original Color

12.9286, 6.7514, 7.2783

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

6.1324, 4.3336, 5.5143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9286, 6.7514, 7.2783 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, 14, 75)` looks like.

```
.text, #text, p{  
    color:rgb(144, 14, 75)  
}
```

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, 14, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 14, 75) }
```

Border

The CSS property to change the border of an element to XYZ 12.9286, 6.7514, 7.2783 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, 14, 75) }
```


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

```
.border{ border-color:rgb(144, 14, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 14, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 14, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 14, 75);  
box-shadow:4px 4px 4px 4px rgb(144, 14,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9286, 6.7514, 7.2783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 14, 75) }
```

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

```
.background{ background-color: rgb(144, 14,  
75) }
```

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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