

Converting Colors

XYZ(12.6032, 6.3459, 7.4277)

Have a look what the booklet for
XYZ(12.6032, 6.3459, 7.4277)
contains.

XYZ(12.6322, 6.3614, 7.3996)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.6322, 6.3614,
7.3996)**

Conversions

Conversions Part 1

Format	Color
Hex	8F004C
RGB	143, 0, 76
RGB Percent	56%, 0%, 30%
CMY	0.4392, 0.9999, 0.7020
CMYK	0.00, 1.00, 0.47, 0.44
HSL	328°, 100%, 28%
HSV	328°, 100%, 56%
XYZ	12.6322, 6.3614, 7.3996
YIQ	51.4210, 60.8320, 53.9520

Conversions

Conversions Part 2

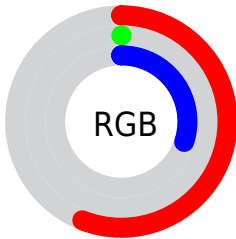
Format	Color
R_{YB}	143, 0, 76
Decimal	9371724
CIE Lab	30.31, 55.57, -1.78
CIE LCh	30, 55.594, 358.167
Yxy	6.3614, 0.4786, 0.2410
Android (android.graphics.Color)	4287561804 (0xFF8F004C)
YUV	51.4210, 12.1174, 80.3148
Hunter-Lab	25.2218, 45.2625, 0.2607

Details

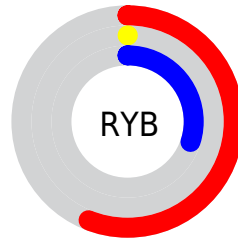
The XYZ color **12.6322, 6.3614, 7.3996** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **10.8362, 20.0504, 8.6115**, and the grayscale version is **3.1779, 3.3434, 3.6410**.

A 20% lighter version of the original color is **30.1716, 18.6633, 21.4142**, and **4.0985, 2.0827, 1.5525** is the 20% darker color. If you saturate the color by 10%, you get **12.6320, 6.3613, 7.3983**, and if you desaturate by 10%, it is **13.0388, 6.7822, 8.7451**.

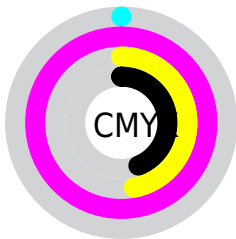
Distribution



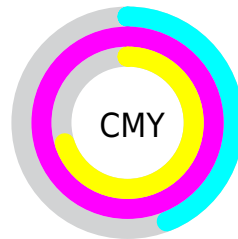
- Red (56%)
- Green (0%)
- Blue (30%)



- Red (56%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (47%)
- Black (44%)





- Cyan (44%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.6322, 6.3614, 7.3996 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 12.6322, 6.3614, 7.3996 by changing the saturation by 10% instead.


 12.6322, 6.3614,
7.3996


 12.6322, 6.3614,
7.3996


202.2325,
162.2467, 180.6990


 7.2510, 3.0661,
3.6310


 30.2484, 18.6765,
21.2991


 3.6673, 1.1663,
1.4252

 43.2141, 28.4650,
32.2671


 1.5157, 0.0339,
0.1612

 59.4387, 41.1867,
46.4720

 0.3365, 0.0000,
0.0000


 79.2875, 57.2260,
64.3324


 0.0000, 0.0000,
0.0000


 103.1260, 76.9672,
86.2667


 131.3194,


100.7948, 112.6936

 164.2331,
129.0932, 144.0315

 12.6322, 6.3614,
7.3996

 12.6322, 6.3614,
7.3996


 12.6320, 6.3613,
7.3983

 13.0388, 6.7822,
8.7451

 13.5778, 7.4277,
10.2579

 14.3045, 8.4076,
11.9600

 15.2398, 9.7625,
13.8613

 16.4013, 11.5269,
15.9711

■ 17.8050, 13.7314,
18.2974

■ 19.4651, 16.4038,
20.8481

■ 21.3948, 19.5693,
23.6302

■ 23.6062, 23.2515,
26.6507

Harmonies

Analogous

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



11.4345, 6.3614, 17.7042



12.6322, 6.3614, 7.3996



11.6834, 6.3614, 2.0954

Triad

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



12.6322, 6.3614, 7.3996



3.9612, 6.3614, 0.2267



3.7539, 6.3614, 27.9260

Complementary

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



12.6322, 6.3614, 7.3996



10.8362, 20.0504, 8.6115

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.



2.5965, 6.3614, 16.2477



12.6322, 6.3614, 7.3996



2.6896, 6.3614, 1.7546

Square

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



12.6322, 6.3614, 7.3996



6.2093, 6.3614, 0.0000



2.2720, 6.3614, 6.4740



5.8862, 6.3614, 33.7883

Rectangle

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



12.6322, 6.3614, 7.3996



10.0807, 6.3614, 0.7572



2.2720, 6.3614, 6.4740



3.2639, 6.3614, 24.2683

Sweetspot

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



12.6324, 6.3618, 7.3997



34.6530, 29.0419, 37.0288



7.2551, 3.1677, 26.2156



7.6789, 6.2266, 8.0868



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.



12.6324, 6.3618, 7.3997



22.5347, 11.3573, 12.7899



11.3540, 5.8504, 0.6681



5.5211, 5.4690, 6.2422



11.1797, 5.6289, 6.5977



0.1180, 0.0583, 0.1218

Inverse Universe

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



12.6324, 6.3618, 7.3997



22.5347, 11.3573, 12.7899



14.4270, 21.4868, 27.5206



5.5211, 5.4690, 6.2422



11.1797, 5.6289, 6.5977



0.1180, 0.0583, 0.1218

Previews

White Background



This preview shows how the XYZ color 12.6322, 6.3614, 7.3996 looks on a white background.

Color Contrast Check

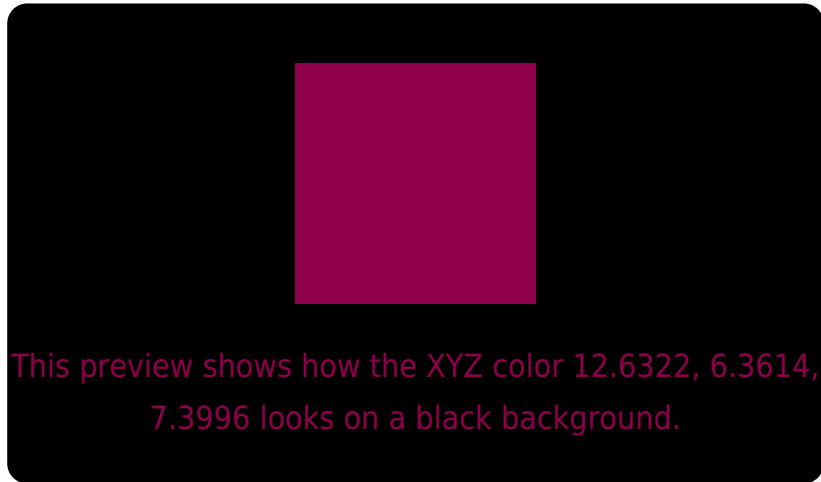
Large Text (above 18pt) WCAG AA ✓ Pass

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

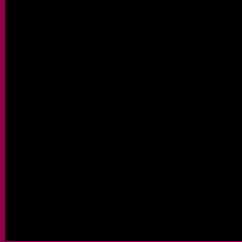
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6322, 6.3614, 7.3996

Background



This preview shows how black text looks on a background with the XYZ color 12.6322, 6.3614, 7.3996.



This preview shows how white text looks on a background with the XYZ color 12.6322, 6.3614,

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

12.6322, 6.3614, 7.3996

Protanopia

7.3132, 7.0801, 15.7330

Deuteranopia

7.0790, 6.9617, 6.7650



Tritanopia

11.6831, 6.6850, 1.9029

Trichromacy



Original Color

12.6322, 6.3614, 7.3996

Protanomaly

7.6348, 5.1902, 12.1547

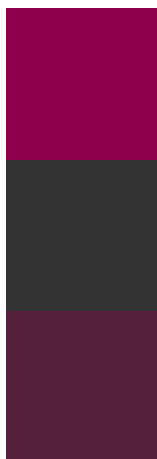
Deuteranomaly

7.9724, 5.4251, 6.7579

Tritanomaly

11.9013, 6.4218, 3.3016

Monochromacy



Original Color

12.6322, 6.3614, 7.3996

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

4.9883, 3.2441, 4.6382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6322, 6.3614, 7.3996 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(143, 0, 76)` looks like.

```
.text, #text, p{  
    color:rgb(143, 0, 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(143, 0, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 0, 76) }
```

Border

The CSS property to change the border of an element to XYZ 12.6322, 6.3614, 7.3996 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(143, 0, 76) }
```


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

```
.border{ border-color:rgb(143, 0, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 0, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 0, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 0, 76);  
box-shadow:4px 4px 4px 4px rgb(143, 0, 76)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.6322, 6.3614, 7.3996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 0, 76) }
```

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

```
.background{ background-color: rgb(143, 0,  
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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