

Converting Colors

XYZ(10.7306, 2.7072, 14.2690)

Have a look what the booklet for
XYZ(10.7306, 2.7072, 14.2690)
contains.

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Color

**XYZ(12.3796, 6.0693,
14.7064)**

Conversions

Conversions Part 1

Format	Color
Hex	85006C
RGB	133, 0, 108
RGB Percent	52%, 0%, 42%
CMY	0.4784, 0.9999, 0.5765
CMYK	0.00, 1.00, 0.19, 0.48
HSL	311°, 100%, 26%
HSV	311°, 100%, 52%
XYZ	12.3796, 6.0693, 14.7064
YIQ	52.0790, 44.6000, 61.7840

Conversions

Conversions Part 2

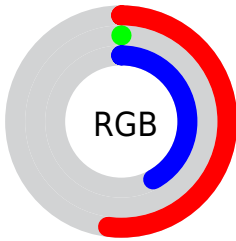
Format	Color
R_{YB}	133, 0, 108
Decimal	8716396
CIE _{Lab}	29.59, 56.96, -24.02
CIE _{LCh}	30, 61.813, 337.135
Yxy	6.0693, 0.3734, 0.1831
Android (android.graphics.Color)	4286906476 (0xFF85006C)
YUV	52.0790, 27.5691, 70.9677
Hunter-Lab	24.6359, 46.5836, -18.1479

Details

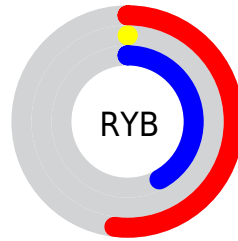
The XYZ color **12.3796, 6.0693, 14.7064** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **8.5634, 16.8454, 3.7208**, and the grayscale version is **3.2391, 3.4078, 3.7111**.

A 20% lighter version of the original color is **29.8977, 18.1199, 35.1794**, and **4.0401, 1.9885, 4.4459** is the 20% darker color. If you saturate the color by 10%, you get **12.3795, 6.0692, 14.7056**, and if you desaturate by 10%, it is **12.6627, 6.4193, 15.4668**.

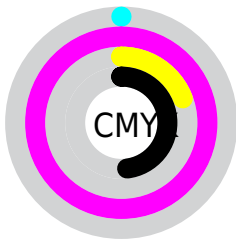
Distribution



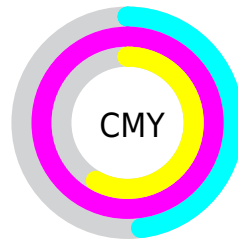
- Red (52%)
- Green (0%)
- Blue (42%)



- Red (52%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (48%)



- Cyan (48%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3796, 6.0693, 14.7064 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 12.3796, 6.0693, 14.7064 by changing the saturation by 10% instead.

■ 12.3796, 6.0693,
14.7064

■ 12.3796, 6.0693,
14.7064

200.6214,
159.6896, 233.1614

■ 7.0768, 2.8873,
8.4693

■ 29.7955, 18.0747,
35.0723

■ 3.5569, 1.0732,
4.3046

■ 42.6393, 27.6669,
50.0381

■ 1.4547, 0.0000,
1.7939

■ 58.7275, 40.1646,
68.7506

■ 0.2947, 0.0000,
0.4239

■ 78.4254, 55.9522,
91.6282

■ 0.0000, 0.0000,
0.0000

■ 102.0984, 75.4142,
119.0896

■ 130.1118, 98.9348,

151.5532

162.8310,
126.8984, 189.4376

12.3796, 6.0693,
14.7064

12.3796, 6.0693,
14.7064

12.3795, 6.0692,
14.7056

12.6627, 6.4193,
15.4668

13.0367, 6.9452,
16.2765

13.5523, 7.7479,
17.1525

14.2259, 8.8606,
18.1004

15.0721, 10.3119,
19.1254

■ 16.1034, 12.1272,
20.2316

■ 17.3313, 14.3293,
21.4230

■ 18.7664, 16.9393,
22.7034

■ 20.4184, 19.9767,
24.0762

Harmonies

Analogous

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



9.7190, 6.0693, 28.4599



12.3796, 6.0693, 14.7064



13.0323, 6.0693, 4.8547

Triad

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



12.3796, 6.0693, 14.7064



5.1185, 6.0693, 0.0000



2.4260, 6.0693, 21.1973

Complementary

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



12.3796, 6.0693, 14.7064



8.5634, 16.8454, 3.7208

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.



1.8775, 6.0693, 8.7405



12.3796, 6.0693, 14.7064



3.0667, 6.0693, 0.1212

Square

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



12.3796, 6.0693, 14.7064



8.1531, 6.0693, 0.0000



2.0659, 6.0693, 2.2129



3.9014, 6.0693, 33.9004

Rectangle

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



12.3796, 6.0693, 14.7064



12.0965, 6.0693, 1.7430



2.0659, 6.0693, 2.2129



2.1536, 6.0693, 16.5755

Sweetspot

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



12.3798, 6.0696, 14.7065



30.8724, 25.3638, 38.2112



4.6200, 1.8929, 22.3121



6.7709, 5.3824, 8.4337



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.



12.3798, 6.0696, 14.7065



22.1152, 10.8471, 26.0504



10.0932, 5.1550, 2.6656



4.8213, 4.7482, 5.6716



11.7944, 5.7821, 14.0218



0.0433, 0.0210, 0.0612

Inverse Universe

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



12.3798, 6.0696, 14.7065



22.1152, 10.8471, 26.0504



10.2712, 17.5285, 12.7143



4.8213, 4.7482, 5.6716



11.7944, 5.7821, 14.0218



0.0433, 0.0210, 0.0612

Previews

White Background



This preview shows how the XYZ color 12.3796, 6.0693, 14.7064 looks on a white background.

Color Contrast Check

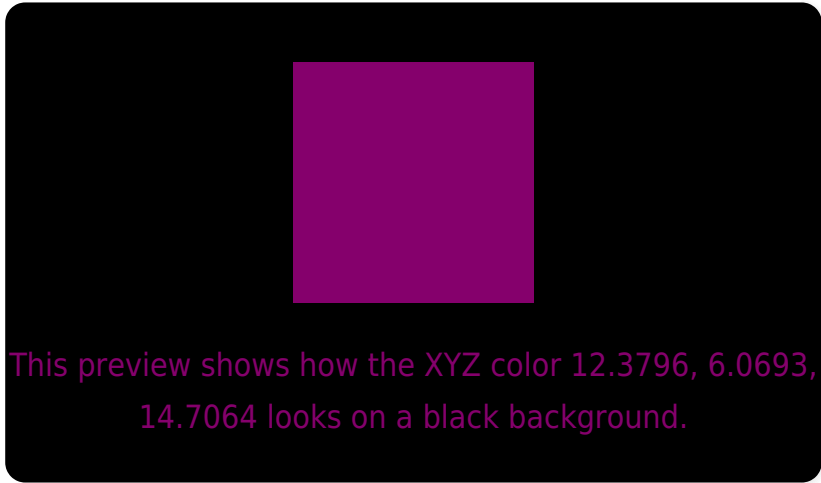
Large Text (above 18pt) WCAG AA ✓ Pass

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

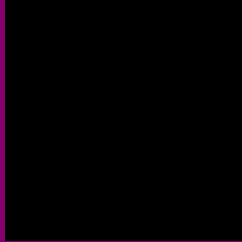
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3796, 6.0693, 14.7064

Background



This preview shows how black text looks on a background with the XYZ color 12.3796, 6.0693, 14.7064.



This preview shows how white text looks on a background with the XYZ color 12.3796, 6.0693,

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

12.3796, 6.0693, 14.7064

Protanopia

7.6952, 6.5823, 29.7191

Deuteranopia

6.7807, 6.6643, 13.2409



Tritanopia

10.2396, 6.5064, 3.1988

Trichromacy



Original Color

12.3796, 6.0693, 14.7064

Protanomaly

6.5305, 4.2544, 23.3987

Deuteranomaly

7.5955, 5.0773, 13.6764

Tritanomaly

10.6412, 5.9470, 6.0559

Monochromacy



Original Color

12.3796, 6.0693, 14.7064

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.1069, 3.3049, 6.4996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3796, 6.0693, 14.7064 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(133, 0, 108)` looks like.

```
.text, #text, p{  
    color:rgb(133, 0, 108)  
}
```

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(133, 0, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 0, 108) }
```

Border

The CSS property to change the border of an element to XYZ 12.3796, 6.0693, 14.7064 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(133, 0, 108) }
```


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

```
.border{ border-color:rgb(133, 0, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 0, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 0, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 0, 108);  
box-shadow:4px 4px 4px 4px rgb(133, 0,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3796, 6.0693, 14.7064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 0, 108) }
```

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

```
.background{ background-color: rgb(133, 0,  
108) }
```

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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