

Converting Colors

XYZ(11.3795, 4.0318, 14.6150)

Have a look what the booklet for
XYZ(11.3795, 4.0318, 14.6150)
contains.

XYZ(12.4332, 6.0907, 14.9883)	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(12.4332, 6.0907,
14.9883)**

Conversions

Conversions Part 1

Format	Color
Hex	85006D
RGB	133, 0, 109
RGB Percent	52%, 0%, 43%
CMY	0.4784, 0.9999, 0.5725
CMYK	0.00, 1.00, 0.18, 0.48
HSL	311°, 100%, 26%
HSV	311°, 100%, 52%
XYZ	12.4332, 6.0907, 14.9883
YIQ	52.1930, 44.2790, 62.0950

Conversions

Conversions Part 2

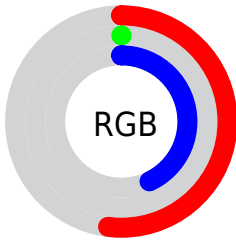
Format	Color
R_{YB}	133, 0, 109
Decimal	8716397
CIE _{Lab}	29.64, 57.09, -24.58
CIE _{LCh}	30, 62.156, 336.709
Yxy	6.0907, 0.3710, 0.1817
Android (android.graphics.Color)	4286906477 (0xFF85006D)
YUV	52.1930, 28.0059, 70.8677
Hunter-Lab	24.6793, 46.7376, -18.7326

Details

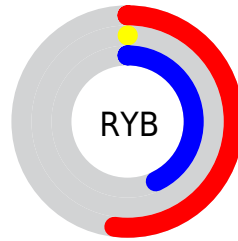
The XYZ color **12.4332, 6.0907, 14.9883** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **8.5528, 16.8413, 3.6648**, and the grayscale version is **3.2520, 3.4213, 3.7258**.

A 20% lighter version of the original color is **29.9856, 18.1551, 35.6421**, and **4.0668, 1.9992, 4.5864** is the 20% darker color. If you saturate the color by 10%, you get **12.4331, 6.0907, 14.9876**, and if you desaturate by 10%, it is **12.7123, 6.4391, 15.7276**.

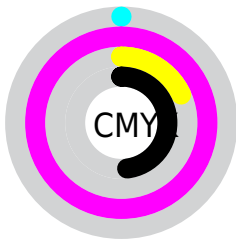
Distribution



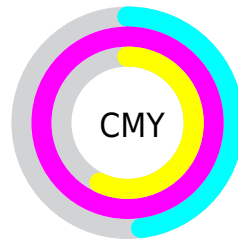
- Red (52%)
- Green (0%)
- Blue (43%)



- Red (52%)
- Yellow (0%)
- Blue (43%)



- Cyan (0%)
- Magenta (100%)
- Yellow (18%)
- Black (48%)



- Cyan (48%)
- Magenta (100%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4332, 6.0907, 14.9883 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 12.4332, 6.0907, 14.9883 by changing the saturation by 10% instead.

■ 12.4332, 6.0907,
14.9883

■ 12.4332, 6.0907,
14.9883

200.9644,
159.8788, 234.9337

■ 7.1137, 2.9003,
8.6646

■ 29.8917, 18.1190,
35.5747

■ 3.5803, 1.0799,
4.4293

■ 42.7615, 27.7257,
50.6745

■ 1.4675, 0.0000,
1.8637

■ 58.8787, 40.2400,
69.5367

■ 0.3036, 0.0000,
0.4695

■ 78.6088, 56.0463,
92.5800

■ 0.0000, 0.0000,
0.0000

■ 102.3170, 75.5289,
120.2227

■ 130.3688, 99.0722,

152.8836

163.1294,
127.0607, 190.9811

12.4332, 6.0907,
14.9883

12.4332, 6.0907,
14.9883

12.4331, 6.0907,
14.9876

12.7123, 6.4391,
15.7276

13.0820, 6.9632,
16.5147

13.5929, 7.7640,
17.3665

14.2617, 8.8747,
18.2888

15.1026, 10.3239,
19.2864

■ 16.1284, 12.1369,
20.3636

■ 17.3505, 14.3366,
21.5246

■ 18.7794, 16.9441,
22.7728

■ 20.4250, 19.9788,
24.1116

Harmonies

Analogous

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



9.7274, 6.0907, 28.8920



12.4332, 6.0907, 14.9883



13.1276, 6.0907, 4.9601

Triad

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



12.4332, 6.0907, 14.9883



5.1714, 6.0907, 0.0000



2.4102, 6.0907, 21.1585

Complementary

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



12.4332, 6.0907, 14.9883



8.5528, 16.8413, 3.6648

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.



1.8706, 6.0907, 8.6422



12.4332, 6.0907, 14.9883



3.0895, 6.0907, 0.0891

Square

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



12.4332, 6.0907, 14.9883



8.2410, 6.0907, 0.0000



2.0702, 6.0907, 2.1566



3.8791, 6.0907, 34.0709

Rectangle

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



12.4332, 6.0907, 14.9883



12.2044, 6.0907, 1.7794



2.0702, 6.0907, 2.1566



2.1406, 6.0907, 16.4992

Sweetspot

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



12.4334, 6.0910, 14.9884



30.9077, 25.3780, 38.3970



4.5686, 1.8664, 22.3099



6.7797, 5.3859, 8.4800



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.



12.4334, 6.0910, 14.9884



22.2126, 10.8861, 26.5635



10.1342, 5.1713, 2.8808



4.8228, 4.7488, 5.6792



11.8454, 5.8025, 14.2899



0.0434, 0.0210, 0.0618

Inverse Universe

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



12.4334, 6.0910, 14.9884



22.2126, 10.8861, 26.5635



10.1772, 17.4910, 12.2188



4.8228, 4.7488, 5.6792



11.8454, 5.8025, 14.2899



0.0434, 0.0210, 0.0618

Previews

White Background



This preview shows how the XYZ color 12.4332, 6.0907, 14.9883 looks on a white background.

Color Contrast Check

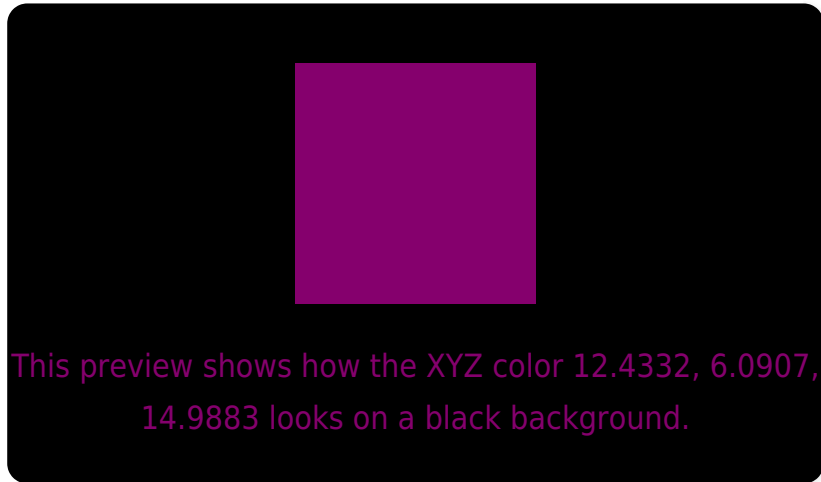
Large Text (above 18pt) WCAG AA ✓ Pass

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

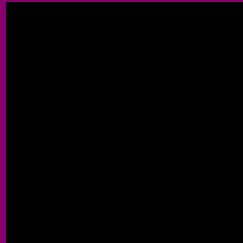
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4332, 6.0907, 14.9883

Background



This preview shows how black text looks on a background with the XYZ color 12.4332, 6.0907, 14.9883.



This preview shows how white text looks on a background with the XYZ color 12.4332, 6.0907, 14.9883.

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

12.4332, 6.0907, 14.9883

Protanopia

7.7583, 6.7085, 29.7401

Deuteranopia

6.7655, 6.6508, 13.4975



Tritanopia

10.2396, 6.5064, 3.1988

Trichromacy



Original Color

12.4332, 6.0907, 14.9883

Protanomaly

6.5305, 4.2544, 23.3987

Deuteranomaly

7.5513, 5.0486, 13.9411

Tritanomaly

10.6412, 5.9470, 6.0559

Monochromacy



Original Color

12.4332, 6.0907, 14.9883

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.1398, 3.3181, 6.6729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4332, 6.0907, 14.9883 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(133, 0, 109)  
}
```

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, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 0, 109) }
```

Border

The CSS property to change the border of an element to XYZ 12.4332, 6.0907, 14.9883 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, 109) }
```


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

```
.border{ border-color:rgb(133, 0, 109) }
```

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, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 0, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 0, 109);  
box-shadow:4px 4px 4px 4px rgb(133, 0,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4332, 6.0907, 14.9883 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, 109) }
```

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

```
.background{ background-color: rgb(133, 0,  
109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor