

Converting Colors

XYZ(11.6758, 4.7302, 13.1089)

Have a look what the booklet for
XYZ(11.6758, 4.7302, 13.1089)
contains.

XYZ(12.2797, 6.0476, 13.3521)	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(12.2797, 6.0476,
13.3521)**

Conversions

Conversions Part 1

Format	Color
Hex	860067
RGB	134, 0, 103
RGB Percent	53%, 0%, 40%
CMY	0.4745, 0.9999, 0.5961
CMYK	0.00, 1.00, 0.23, 0.47
HSL	314°, 100%, 26%
HSV	314°, 100%, 53%
XYZ	12.2797, 6.0476, 13.3521
YIQ	51.8080, 46.8010, 60.4410

Conversions

Conversions Part 2

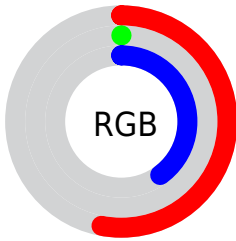
Format	Color
RYB	134, 0, 103
Decimal	8781927
CIELab	29.53, 56.51, -20.86
CIElCh	30, 60.234, 339.738
Yxy	6.0476, 0.3876, 0.1909
Android (android.graphics.Color)	4286972007 (0xFF860067)
YUV	51.8080, 25.2377, 72.0824
Hunter-Lab	24.5919, 46.0964, -14.9771

Details

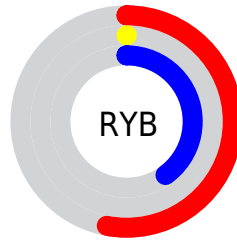
The XYZ color **12.2797, 6.0476, 13.3521** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **8.7728, 17.1494, 4.1450**, and the grayscale version is **3.2094, 3.3766, 3.6771**.

A 20% lighter version of the original color is **29.6360, 18.0442, 32.4927**, and **3.9383, 1.9478, 3.9098** is the 20% darker color. If you saturate the color by 10%, you get **12.2796, 6.0476, 13.3514**, and if you desaturate by 10%, it is **12.5876, 6.4096, 14.2369**.

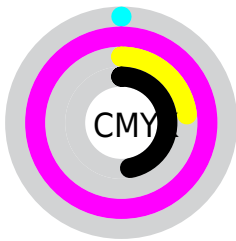
Distribution



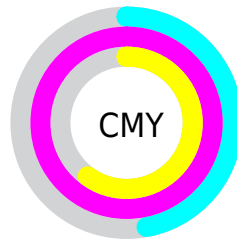
- Red (53%)
- Green (0%)
- Blue (40%)



- Red (53%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (23%)
- Black (47%)





- Cyan (47%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2797, 6.0476, 13.3521 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 12.2797, 6.0476, 13.3521 by changing the saturation by 10% instead.


 12.2797, 6.0476,
13.3521


 12.2797, 6.0476,
13.3521


199.9806,
159.4975, 224.4486


 7.0080, 2.8740,
7.5379


 29.6160, 18.0298,
32.6353


 3.5135, 1.0663,
3.7172


 42.4113, 27.6072,
46.9414


 1.4308, 0.0000,
1.4715

 58.4451, 40.0881,
64.9152

 0.2780, 0.0000,
0.1966

 78.0829, 55.8568,
86.9752

 0.0000, 0.0000,
0.0000

 101.6900, 75.2977,
113.5400

 129.6318, 98.7951,

145.0282

162.2735,
126.7336, 181.8582

12.2797, 6.0476,
13.3521

12.2797, 6.0476,
13.3521

12.2796, 6.0476,
13.3514

12.5876, 6.4096,
14.2369

12.9904, 6.9521,
15.1820

13.5390, 7.7769,
16.2048

14.2505, 8.9179,
17.3113

15.1394, 10.4042,
18.5066

■ 16.2188, 12.2617,
19.7953

■ 17.5004, 14.5137,
21.1816

■ 18.9948, 17.1816,
22.6693

■ 20.7122, 20.2854,
24.2621

Harmonies

Analogous

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



9.8387, 6.0476, 26.4695



12.2797, 6.0476, 13.3521



12.7012, 6.0476, 4.3393

Triad

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



12.2797, 6.0476, 13.3521



4.8985, 6.0476, 0.0000



2.5633, 6.0476, 21.8045

Complementary

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



12.2797, 6.0476, 13.3521



8.7728, 17.1494, 4.1450

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.



1.9506, 6.0476, 9.4958



12.2797, 6.0476, 13.3521



2.9851, 6.0476, 0.3215

Square

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



12.2797, 6.0476, 13.3521



7.7826, 6.0476, 0.0000



2.0754, 6.0476, 2.6070



4.1032, 6.0476, 33.4947

Rectangle

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



12.2797, 6.0476, 13.3521



11.6769, 6.0476, 1.5648



2.0754, 6.0476, 2.6070



2.2685, 6.0476, 17.3280

Sweetspot

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



12.2799, 6.0479, 13.3522



30.6710, 25.2833, 37.1506



4.8112, 1.9834, 22.6836



6.7208, 5.3623, 8.1696



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.



12.2799, 6.0479, 13.3522



21.5753, 10.6312, 23.2072



10.1812, 5.2084, 2.3004



4.8130, 4.7449, 5.6278



11.5120, 5.6691, 12.5342



0.0427, 0.0208, 0.0580

Inverse Universe

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



12.2799, 6.0479, 13.3522



21.5753, 10.6312, 23.2072



10.6383, 17.8956, 13.9688



4.8130, 4.7449, 5.6278



11.5120, 5.6691, 12.5342



0.0427, 0.0208, 0.0580

Previews

White Background



This preview shows how the XYZ color 12.2797, 6.0476, 13.3521 looks on a white background.

Color Contrast Check

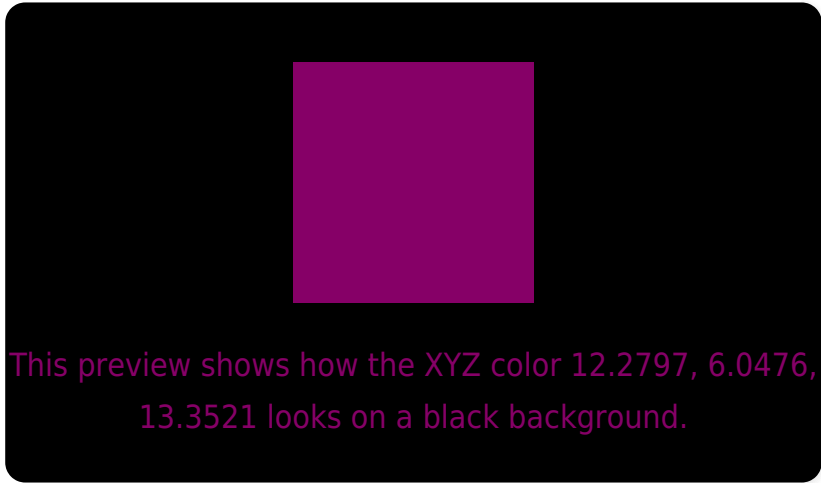
Large Text (above 18pt) WCAG AA ✓ Pass

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

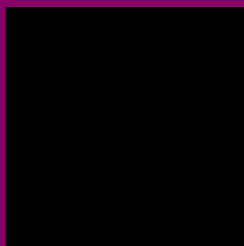
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2797, 6.0476, 13.3521

Background



This preview shows how black text looks on a background with the XYZ color 12.2797, 6.0476, 13.3521.



This preview shows how white text looks on a background with the XYZ color 12.2797, 6.0476,

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

12.2797, 6.0476, 13.3521

Protanopia

7.6877, 6.6151, 28.0658

Deuteranopia

6.7434, 6.6725, 11.9988



Tritanopia

10.2822, 6.4274, 2.9842

Trichromacy



Original Color

12.2797, 6.0476, 13.3521

Protanomaly

6.9543, 4.5126, 21.6236

Deuteranomaly

7.5435, 5.0790, 12.3871

Tritanomaly

10.6836, 5.9457, 5.5856

Monochromacy



Original Color

12.2797, 6.0476, 13.3521

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.1609, 3.3365, 6.3332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2797, 6.0476, 13.3521 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(134, 0, 103)` looks like.

```
.text, #text, p{  
    color:rgb(134, 0, 103)  
}
```

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(134, 0, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 0, 103) }
```

Border

The CSS property to change the border of an element to XYZ 12.2797, 6.0476, 13.3521 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(134, 0, 103) }
```


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

```
.border{ border-color:rgb(134, 0, 103) }
```

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

Here you see how a box with a 4 pixel rgb(134, 0, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 0, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 0, 103);  
box-shadow:4px 4px 4px 4px rgb(134, 0,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2797, 6.0476, 13.3521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 0, 103) }
```

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

```
.background{ background-color: rgb(134, 0,  
103) }
```

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