

Converting Colors

XYZ(12.3782, 6.3073, 3.9161)

Have a look what the booklet for
XYZ(12.3782, 6.3073, 3.9161)
contains.

XYZ(12.3197, 6.2768, 3.9304)	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(12.3197, 6.2768,
3.9304)**

Conversions

Conversions Part 1

Format	Color
Hex	910035
RGB	145, 0, 53
RGB Percent	57%, 0%, 21%
CMY	0.4314, 0.9999, 0.7922
CMYK	0.00, 1.00, 0.63, 0.43
HSL	338°, 100%, 28%
HSV	338°, 100%, 57%
XYZ	12.3197, 6.2768, 3.9304
YIQ	49.3970, 69.4070, 47.2230

Conversions

Conversions Part 2

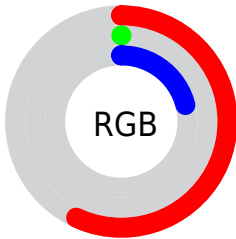
Format	Color
RYB	145, 0, 53
Decimal	9502773
CIELab	30.10, 54.33, 13.39
CIElCh	30, 55.957, 13.840
Yxy	6.2768, 0.5469, 0.2786
Android (android.graphics.Color)	4287692853 (0xFF910035)
YUV	49.3970, 1.7763, 83.8438
Hunter-Lab	25.0535, 43.9310, 8.2361

Details

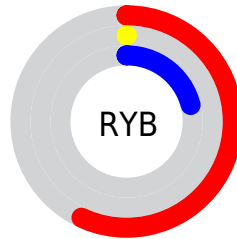
The XYZ color **12.3197, 6.2768, 3.9304** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **12.0582, 21.0239, 13.5520**, and the grayscale version is **2.9574, 3.1114, 3.3883**.

A 20% lighter version of the original color is **29.7463, 18.5147, 13.8103**, and **3.9798, 2.0460, 0.4436** is the 20% darker color. If you saturate the color by 10%, you get **12.3194, 6.2767, 3.9290**, and if you desaturate by 10%, it is **12.7162, 6.6980, 5.2091**.

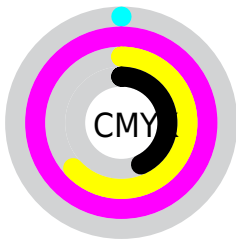
Distribution



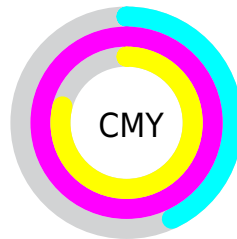
- Red (57%)
- Green (0%)
- Blue (21%)



- Red (57%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (43%)





- Cyan (43%)
- Magenta (100%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3197, 6.2768, 3.9304 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 12.3197, 6.2768, 3.9304 by changing the saturation by 10% instead.


 12.3197, 6.2768,
3.9304


 12.3197, 6.2768,
3.9304


200.2374,
161.5116, 147.4486


 7.0355, 3.0141,
1.5872


 29.6879, 18.5028,
13.8489


 3.5309, 1.1391,
0.2817


 42.5026, 28.2349,
22.2614


 1.4403, 0.0111,
0.0000

 58.5583, 40.8922,
33.5340

 0.2847, 0.0000,
0.0000


 78.2201, 56.8592,
48.0853


 0.0000, 0.0000,
0.0000


 101.8537, 76.5202,
66.3339


 129.8241,


100.2597, 88.6983

 162.4969,
128.4620, 115.5970


 12.3197, 6.2768,
3.9304

 12.3197, 6.2768,
3.9304


 12.3194, 6.2767,
3.9290

 12.7162, 6.6980,
5.2091

 13.2672, 7.3595,
6.7505

 14.0303, 8.3736,
8.5837

 15.0282, 9.7826,
10.7256

 16.2805, 11.6228,
13.1913

■ 17.8046, 13.9263,
15.9949

■ 19.6162, 16.7222,
19.1496

■ 21.7300, 20.0370,
22.6678

■ 24.1594, 23.8956,
26.5611

Harmonies

Analogous

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



12.2342, 6.2768, 11.6904



12.3197, 6.2768, 3.9304



10.3896, 6.2768, 0.9186

Triad

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



12.3197, 6.2768, 3.9304



3.1116, 6.2768, 0.8066



4.6702, 6.2768, 32.1861

Complementary

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



12.3197, 6.2768, 3.9304



12.0582, 21.0239, 13.5520

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.



3.0190, 6.2768, 22.4999



12.3197, 6.2768, 3.9304



2.3163, 6.2768, 3.5527

Square

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



12.3197, 6.2768, 3.9304



4.8397, 6.2768, 0.0000



2.2883, 6.2768, 10.9013



7.2546, 6.2768, 32.6131

Rectangle

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



12.3197, 6.2768, 3.9304



8.4753, 6.2768, 0.1169



2.2883, 6.2768, 10.9013



4.0083, 6.2768, 29.7012

Sweetspot

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



12.3199, 6.2772, 3.9305



34.9068, 29.6000, 33.9143



9.5087, 4.3118, 27.1191



7.4840, 6.1487, 7.0604



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.



12.3199, 6.2772, 3.9305



21.9848, 11.2096, 6.6283



11.9160, 6.4974, 0.6266



5.4853, 5.4546, 6.0534



10.5784, 5.3884, 3.4315



0.1111, 0.0555, 0.0851

Inverse Universe

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



12.3199, 6.2772, 3.9305



21.9848, 11.2096, 6.6283



12.5297, 16.8817, 29.3861



5.4853, 5.4546, 6.0534



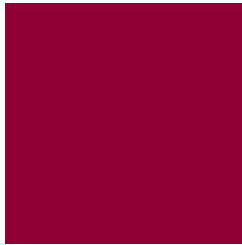
10.5784, 5.3884, 3.4315



0.1111, 0.0555, 0.0851

Previews

White Background



This preview shows how the XYZ color 12.3197, 6.2768, 3.9304 looks on a white background.

Color Contrast Check

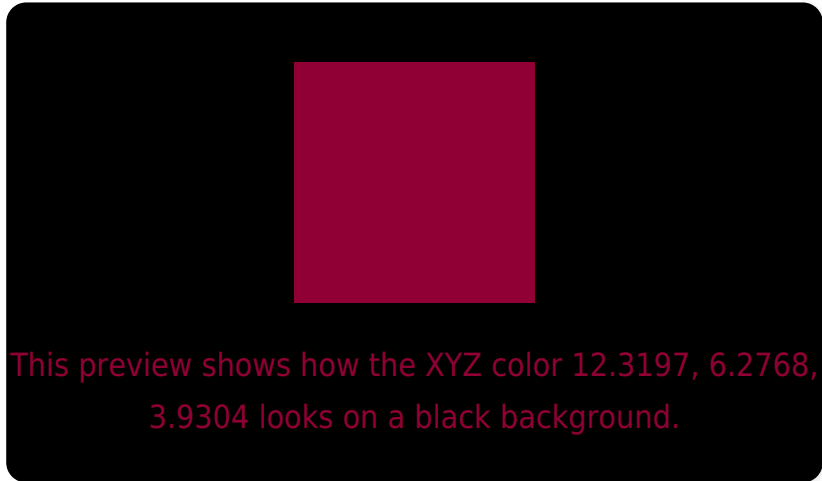
Large Text (above 18pt) WCAG AA ✓ Pass

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

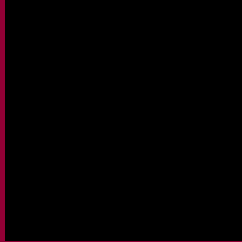
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3197, 6.2768, 3.9304

Background



This preview shows how black text looks on a background with the XYZ color 12.3197, 6.2768, 3.9304.



This preview shows how white text looks on a background with the XYZ color 12.3197, 6.2768,

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

12.3197, 6.2768, 3.9304

Protanopia

6.7256, 6.9435, 8.1935

Deuteranopia

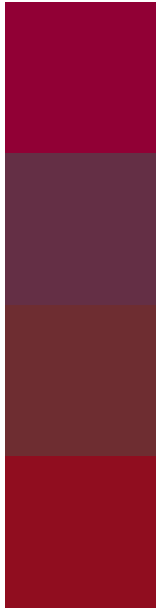
6.9828, 6.8854, 3.6503



Tritanopia

11.8873, 6.5126, 1.2466

Trichromacy



Original Color

12.3197, 6.2768, 3.9304

Protanomaly

7.3462, 5.1720, 6.2413

Deuteranomaly

7.9232, 5.4135, 3.5330

Tritanomaly

11.8928, 6.3161, 1.8886

Monochromacy



Original Color

12.3197, 6.2768, 3.9304

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

4.7219, 3.0951, 3.3662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3197, 6.2768, 3.9304 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(145, 0, 53)` looks like.

```
.text, #text, p{  
  color:rgb(145, 0, 53)  
}
```

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(145, 0, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 0, 53) }
```

Border

The CSS property to change the border of an element to XYZ 12.3197, 6.2768, 3.9304 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(145, 0, 53) }
```


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

```
.border{ border-color:rgb(145, 0, 53) }
```

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

Here you see how a box with a 4 pixel rgb(145, 0, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 0, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 0, 53);  
box-shadow:4px 4px 4px 4px rgb(145, 0, 53)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.3197, 6.2768, 3.9304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 0, 53) }
```

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

```
.background{ background-color: rgb(145, 0,  
53) }
```

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