

Converting Colors

XYZ(12.5077, 6.4118, 2.2193)

Have a look what the booklet for
XYZ(12.5077, 6.4118, 2.2193)
contains.

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Color

**XYZ(12.5312, 6.4233,
2.2484)**

Conversions

Conversions Part 1

Format	Color
Hex	940024
RGB	148, 0, 36
RGB Percent	58%, 0%, 14%
CMY	0.4196, 0.9999, 0.8588
CMYK	0.00, 1.00, 0.76, 0.42
HSL	345°, 100%, 29%
HSV	345°, 100%, 58%
XYZ	12.5312, 6.4233, 2.2484
YIQ	48.3560, 76.6520, 42.5720

Conversions

Conversions Part 2

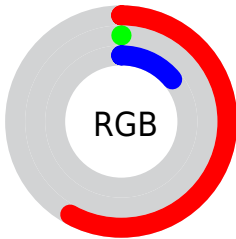
Format	Color
RYB	148, 0, 36
Decimal	9699364
CIELab	30.46, 54.24, 25.23
CIELCh	30, 59.818, 24.944
Yxy	6.4233, 0.5910, 0.3029
Android (android.graphics.Color)	4287889444 (0xFF940024)
YUV	48.3560, -6.0915, 87.3878
Hunter-Lab	25.3442, 43.9051, 12.4811

Details

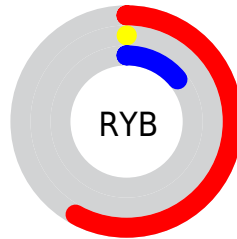
The XYZ color **12.5312, 6.4233, 2.2484** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **13.5159, 22.3502, 18.9371**, and the grayscale version is **2.8501, 2.9985, 3.2653**.

A 20% lighter version of the original color is **30.0598, 18.7692, 9.6279**, and **4.1198, 2.1238, 0.1928** is the 20% darker color. If you saturate the color by 10%, you get **12.5309, 6.4231, 2.2471**, and if you desaturate by 10%, it is **12.8982, 6.8394, 3.3510**.

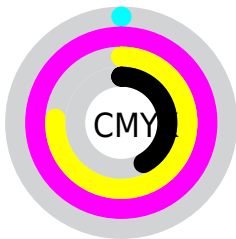
Distribution



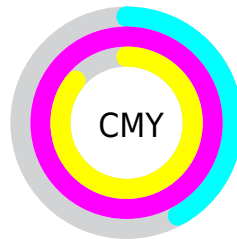
- Red (58%)
- Green (0%)
- Blue (14%)



- Red (58%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (76%)
- Black (42%)





- Cyan (42%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.5312, 6.4233, 2.2484 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 12.5312, 6.4233, 2.2484 by changing the saturation by 10% instead.


 12.5312, 6.4233,
2.2484


 12.5312, 6.4233,
2.2484


201.5899,
162.7819, 126.1220


 7.1813, 3.1041,
0.7021


 30.0675, 18.8033,
9.7094


 3.6231, 1.1863,
0.0000

 42.9846, 28.6329,
16.4843


 1.4912, 0.0505,
0.0000

 59.1548, 41.4014,
25.8467

 0.3198, 0.0000,
0.0000


 78.9435, 57.4933,
38.2153


 0.0000, 0.0000,
0.0000


 102.7159, 77.2929,
54.0086


 130.8376,

101.1846, 73.6451

 163.6738,
129.5528, 97.5434


 12.5312, 6.4233,
2.2484


 12.5312, 6.4233,
2.2484


 12.5309, 6.4231,
2.2471

 12.8982, 6.8394,
3.3510

 13.4414, 7.5150,
4.7991

 14.2222, 8.5660,
6.6330

 15.2660, 10.0378,
8.8794

 16.5950, 11.9691,
11.5627

■ 18.2289, 14.3944,
14.7048

■ 20.1857, 17.3447,
18.3265

■ 22.4818, 20.8486,
22.4472

■ 25.1326, 24.9324,
27.0850

Harmonies

Analogous

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



13.3378, 6.4233, 8.4678



12.5312, 6.4233, 2.2484



9.8178, 6.4233, 0.2478

Triad

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



12.5312, 6.4233, 2.2484



2.6323, 6.4233, 1.3023



5.6355, 6.4233, 37.0931

Complementary

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



12.5312, 6.4233, 2.2484



13.5159, 22.3502, 18.9371

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.



3.4709, 6.4233, 29.2603



12.5312, 6.4233, 2.2484



2.1160, 6.4233, 5.7018

Square

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



12.5312, 6.4233, 2.2484



4.0762, 6.4233, 0.0000



2.3666, 6.4233, 15.9020



8.7155, 6.4233, 32.9943

Rectangle

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



12.5312, 6.4233, 2.2484



7.6396, 6.4233, 0.0000



2.3666, 6.4233, 15.9020



4.7913, 6.4233, 35.6614

Sweetspot

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



12.5313, 6.4237, 2.2485



35.3881, 30.2570, 31.9193



11.9017, 5.5184, 28.4547



7.7639, 6.4314, 6.7092



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.5313, 6.4237, 2.2485



22.0518, 11.3100, 3.6575



12.8749, 7.6200, 0.7929



5.8552, 5.8371, 6.3436



10.7129, 5.4902, 1.9694



0.1413, 0.0713, 0.0775

Inverse Universe

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



12.5313, 6.4237, 2.2485



22.0518, 11.3100, 3.6575



11.0305, 13.5082, 30.0428



5.8552, 5.8371, 6.3436



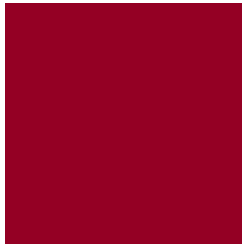
10.7129, 5.4902, 1.9694



0.1413, 0.0713, 0.0775

Previews

White Background



This preview shows how the XYZ color 12.5312, 6.4233, 2.2484 looks on a white background.

Color Contrast Check

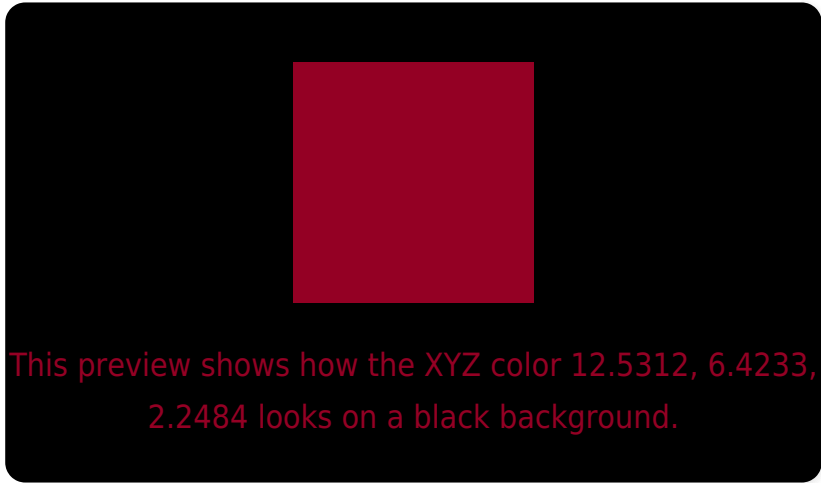
Large Text (above 18pt) WCAG AA ✓ Pass

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

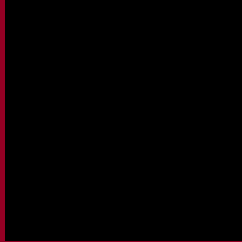
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5312, 6.4233, 2.2484

Background



This preview shows how black text looks on a background with the XYZ color 12.5312, 6.4233, 2.2484.



This preview shows how white text looks on a background with the XYZ color 12.5312, 6.4233,

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

12.5312, 6.4233, 2.2484

Protanopia

6.5753, 7.0478, 4.5038

Deuteranopia

7.0672, 6.9653, 2.0089



Tritanopia

12.4329, 6.6573, 0.8881

Trichromacy



Original Color

12.5312, 6.4233, 2.2484

Protanomaly

7.3957, 5.3224, 3.3269

Deuteranomaly

8.1122, 5.5479, 1.8716

Tritanomaly

12.4388, 6.5600, 1.2267

Monochromacy



Original Color

12.5312, 6.4233, 2.2484

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

4.6008, 3.0466, 2.7284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5312, 6.4233, 2.2484 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(148, 0, 36)` looks like.

```
.text, #text, p{  
    color:rgb(148, 0, 36)  
}
```

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(148, 0, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 0, 36) }
```

Border

The CSS property to change the border of an element to XYZ 12.5312, 6.4233, 2.2484 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(148, 0, 36) }
```


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

```
.border{ border-color:rgb(148, 0, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 0, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 0, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 0, 36);  
box-shadow:4px 4px 4px 4px rgb(148, 0, 36)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.5312, 6.4233, 2.2484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 0, 36) }
```

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

```
.background{ background-color: rgb(148, 0,  
36) }
```

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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