

Converting Colors

XYZ(12.1635, 6.2215, 2.7858)

Have a look what the booklet for
XYZ(12.1635, 6.2215, 2.7858)
contains.

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Color

**XYZ(12.0950, 6.1869,
2.7472)**

Conversions

Conversions Part 1

Format	Color
Hex	91002A
RGB	145, 0, 42
RGB Percent	57%, 0%, 16%
CMY	0.4314, 0.9999, 0.8353
CMYK	0.00, 1.00, 0.71, 0.43
HSL	343°, 100%, 28%
HSV	343°, 100%, 57%
XYZ	12.0950, 6.1869, 2.7472
YIQ	48.1430, 72.9380, 43.8020

Conversions

Conversions Part 2

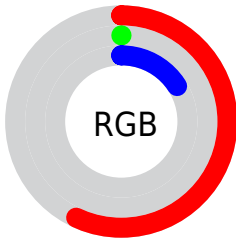
Format	Color
RYB	145, 0, 42
Decimal	9502762
CIELab	29.88, 53.74, 20.44
CIELCh	30, 57.495, 20.827
Yxy	6.1869, 0.5752, 0.2942
Android (android.graphics.Color)	4287692842 (0xFF91002A)
YUV	48.1430, -3.0285, 84.9436
Hunter-Lab	24.8735, 43.2690, 10.8630

Details

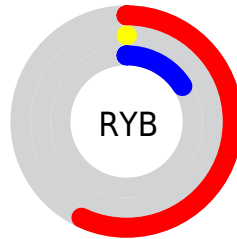
The XYZ color **12.0950, 6.1869, 2.7472** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **12.5747, 21.2305, 16.2718**, and the grayscale version is **2.8236, 2.9706, 3.2350**.

A 20% lighter version of the original color is **29.2145, 18.3020, 11.0097**, and **3.9305, 2.0262, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **12.0947, 6.1868, 2.7460**, and if you desaturate by 10%, it is **12.4678, 6.5986, 3.9011**.

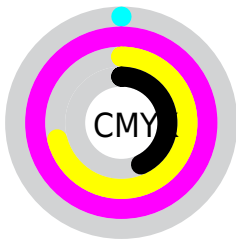
Distribution



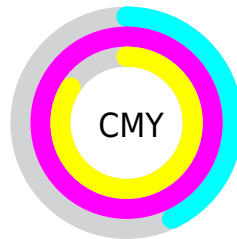
- Red (57%)
- Green (0%)
- Blue (16%)



- Red (57%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (43%)



- Cyan (43%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0950, 6.1869, 2.7472 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 12.0950, 6.1869, 2.7472 by changing the saturation by 10% instead.


 12.0950, 6.1869,
2.7472


 12.0950, 6.1869,
2.7472


198.7903,
160.7255, 133.0727


 6.8811, 2.9591,
0.9670


 29.2834, 18.3177,
10.9980

 3.4335, 1.1104,
0.0000

 41.9885, 27.9894,
18.3057


 1.3869, 0.0000,
0.0000

 57.9214, 40.5779,
28.2931

 0.2469, 0.0000,
0.0000

 77.4475, 56.4676,
41.3785

 0.0000, 0.0000,
0.0000

 100.9321, 76.0427,
57.9807

 128.7405, 99.6879,

78.5181

161.2381,
127.7873, 103.4093

12.0950, 6.1869,
2.7472

12.0950, 6.1869,
2.7472

12.0947, 6.1868,
2.7460

12.4678, 6.5986,
3.9011

13.0030, 7.2538,
5.3594

13.7593, 8.2652,
7.1568

14.7603, 9.6754,
9.3148

16.0263, 11.5210,
11.8530

■ 17.5756, 13.8346,
14.7896

■ 19.4246, 16.6454,
18.1412

■ 21.5886, 19.9803,
21.9238

■ 24.0816, 23.8643,
26.1523

Harmonies

Analogous

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



12.5362, 6.1869, 9.3599



12.0950, 6.1869, 2.7472



9.7517, 6.1869, 0.4854

Triad

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



12.0950, 6.1869, 2.7472



2.7331, 6.1869, 1.0660



5.1001, 6.1869, 34.1318

Complementary

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



12.0950, 6.1869, 2.7472



12.5747, 21.2305, 16.2718

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.



3.1992, 6.1869, 25.7461



12.0950, 6.1869, 2.7472



2.1313, 6.1869, 4.6557

Square

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



12.0950, 6.1869, 2.7472



4.2389, 6.1869, 0.0000



2.2713, 6.1869, 13.4252



7.8991, 6.1869, 31.9048

Rectangle

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



12.0950, 6.1869, 2.7472



7.7309, 6.1869, 0.0000



2.2713, 6.1869, 13.4252



4.3517, 6.1869, 32.3156

Sweetspot

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



12.0951, 6.1873, 2.7473



34.5590, 29.4609, 32.0827



10.5346, 4.8407, 27.1671



7.4006, 6.1153, 6.6211



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.



12.0951, 6.1873, 2.7473



21.5929, 11.0529, 4.5649



12.1168, 6.8992, 0.6936



5.4691, 5.4482, 5.9684



10.3843, 5.3107, 2.4090



0.1079, 0.0542, 0.0684

Inverse Universe

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



12.0951, 6.1873, 2.7473



21.5929, 11.0529, 4.5649



11.3568, 14.5360, 28.9952



5.4691, 5.4482, 5.9684



10.3843, 5.3107, 2.4090



0.1079, 0.0542, 0.0684

Previews

White Background



This preview shows how the XYZ color 12.0950, 6.1869, 2.7472 looks on a white background.

Color Contrast Check

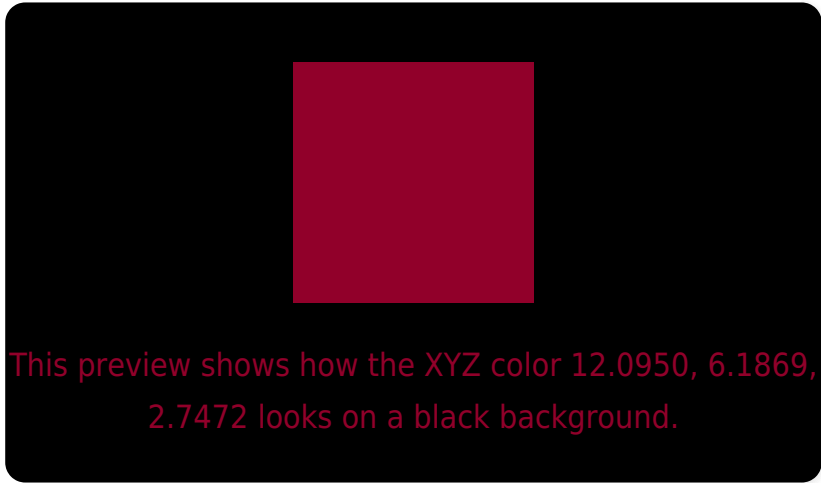
Large Text (above 18pt) WCAG AA ✓ Pass

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

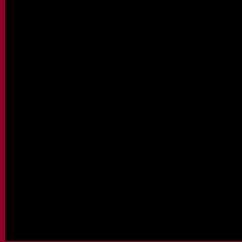
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0950, 6.1869, 2.7472

Background



This preview shows how black text looks on a background with the XYZ color 12.0950, 6.1869, 2.7472.

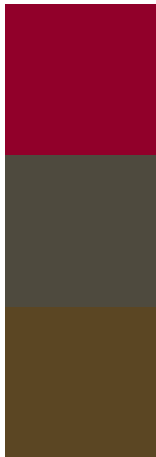


This preview shows how white text looks on a background with the XYZ color 12.0950, 6.1869,

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

12.0950, 6.1869, 2.7472

Protanopia

6.4602, 6.8651, 5.5420

Deuteranopia

6.8079, 6.7258, 2.5295



Tritanopia

11.7747, 6.3592, 0.9876

Trichromacy



Original Color

12.0950, 6.1869, 2.7472

Protanomaly

7.1856, 5.1336, 4.2266

Deuteranomaly

7.8438, 5.3962, 2.4619

Tritanomaly

11.7861, 6.2346, 1.4463

Monochromacy



Original Color

12.0950, 6.1869, 2.7472

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

4.5504, 3.0162, 2.9271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0950, 6.1869, 2.7472 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, 42)` looks like.

```
.text, #text, p{  
    color:rgb(145, 0, 42)  
}
```

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, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 0, 42) }
```

Border

The CSS property to change the border of an element to XYZ 12.0950, 6.1869, 2.7472 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, 42) }
```


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

```
.border{ border-color:rgb(145, 0, 42) }
```

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, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 0, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 0, 42);  
box-shadow:4px 4px 4px 4px rgb(145, 0, 42)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.0950, 6.1869, 2.7472 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, 42) }
```

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

```
.background{ background-color: rgb(145, 0,  
42) }
```

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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