

Converting Colors

XYZ(12.1947, 6.2866, 0.5713)

Have a look what the booklet for
XYZ(12.1947, 6.2866, 0.5713)
contains.

XYZ(12.2127, 6.2959, 0.5715)	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(12.2127, 6.2959,
0.5715)**

Conversions

Conversions Part 1

Format	Color
Hex	940000
RGB	148, 0, 0
RGB Percent	58%, 0%, 0%
CMY	0.4196, 0.9999, 1.0000
CMYK	0.00, 1.00, 1.00, 0.42
HSL	0°, 100%, 29%
HSV	0°, 100%, 58%
XYZ	12.2127, 6.2959, 0.5715
YIQ	44.2520, 88.2080, 31.3760

Conversions

Conversions Part 2

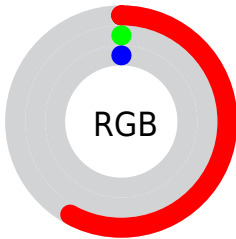
Format	Color
RYB	148, 0, 0
Decimal	9699328
CIELab	30.15, 53.40, 43.80
CIELCh	30, 69.064, 39.363
Yxy	6.2959, 0.6401, 0.3300
Android (android.graphics.Color)	4287889408 (0xFF940000)
YUV	44.2520, -21.8162, 90.9870
Hunter-Lab	25.0916, 42.9699, 16.2137

Details

The XYZ color **12.2127, 6.2959, 0.5715** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **15.9315, 23.3106, 31.6764**, and the grayscale version is **2.4351, 2.5619, 2.7899**.

A 20% lighter version of the original color is **29.4088, 18.5416, 4.7182**, and **3.9305, 2.0262, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **12.2128, 6.2963, 0.5716**, and if you desaturate by 10%, it is **12.4657, 6.6663, 1.0742**.

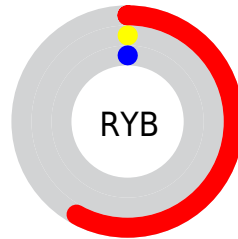
Distribution



Red (58%)

Green (0%)

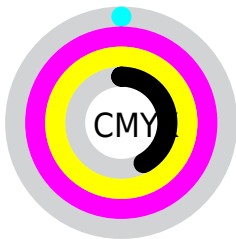
Blue (0%)



Red (58%)

Yellow (0%)

Blue (0%)

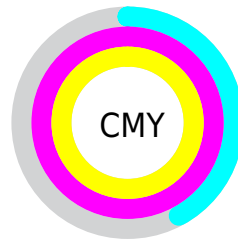


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (42%)



Cyan (42%)


Magenta (100%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2127, 6.2959, 0.5715 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 12.2127, 6.2959, 0.5715 by changing the saturation by 10% instead.


 12.2127, 6.2959,
0.5715


 12.2127, 6.2959,
0.5715

 199.5497,
161.6779, 94.7356


 6.9619, 3.0258,
0.0000


 29.4954, 18.5420,
4.7172


 3.4844, 1.1452,
0.0000

 42.2581, 28.2869,
9.1131


 1.4148, 0.0163,
0.0000

 58.2554, 40.9588,
15.6327

 0.2667, 0.0000,
0.0000


 77.8528, 56.9422,
24.6946


 0.0000, 0.0000,
0.0000


 101.4155, 76.6214,
36.7173


 129.3090,

100.3808, 52.1194


 161.8986,
128.6048, 71.3193


 12.2127, 6.2959,
0.5715

 12.2127, 6.2959,
0.5715


 12.2128, 6.2963,
0.5716

 12.4657, 6.6663,
1.0742

 12.8965, 7.2968,
1.9304

 13.5910, 8.3132,
3.3107

 14.5821, 9.7636,
5.2809

 15.8981, 11.6892,
7.8968

■ 17.5638, 14.1267,
11.2081

■ 19.6017, 17.1087,
15.2595

■ 22.0325, 20.6655,
20.0918

■ 24.8752, 24.8251,
25.7432

Harmonies

Analogous

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



14.4819, 6.2959, 4.3416



12.2127, 6.2959, 0.5715



8.4607, 6.2959, 0.0000

Triad

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



12.2127, 6.2959, 0.5715



1.8409, 6.2959, 2.2921



7.0566, 6.2959, 43.8615

Complementary

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



12.2127, 6.2959, 0.5715



15.9315, 23.3106, 31.6764

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.



4.0451, 6.2959, 40.8072



12.2127, 6.2959, 0.5715



1.7002, 6.2959, 10.1890

Square

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



12.2127, 6.2959, 0.5715



2.8374, 6.2959, 0.0000



2.3428, 6.2959, 25.5546



10.8719, 6.2959, 31.9916

Rectangle

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



12.2127, 6.2959, 0.5715



6.0536, 6.2959, 0.0000



2.3428, 6.2959, 25.5546



5.9151, 6.2959, 44.6825

Sweetspot

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



12.2128, 6.2963, 0.5716



34.3522, 29.8446, 26.4586



17.5578, 8.4339, 28.7191



7.5128, 6.3314, 5.3858



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.



12.2128, 6.2963, 0.5716



21.5491, 11.1094, 1.0086



14.6613, 11.1933, 1.3878



5.8009, 5.8155, 6.0572



10.4319, 5.3782, 0.4883



0.1277, 0.0659, 0.0060

Inverse Universe

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



15.9315, 23.3106, 31.6764



28.1105, 41.1307, 55.8920



7.7940, 7.0356, 28.9639



5.9641, 6.5621, 7.4220



13.6083, 19.9113, 27.0571



0.1666, 0.2437, 0.3312

Previews

White Background



This preview shows how the XYZ color 12.2127, 6.2959, 0.5715 looks on a white background.

Color Contrast Check

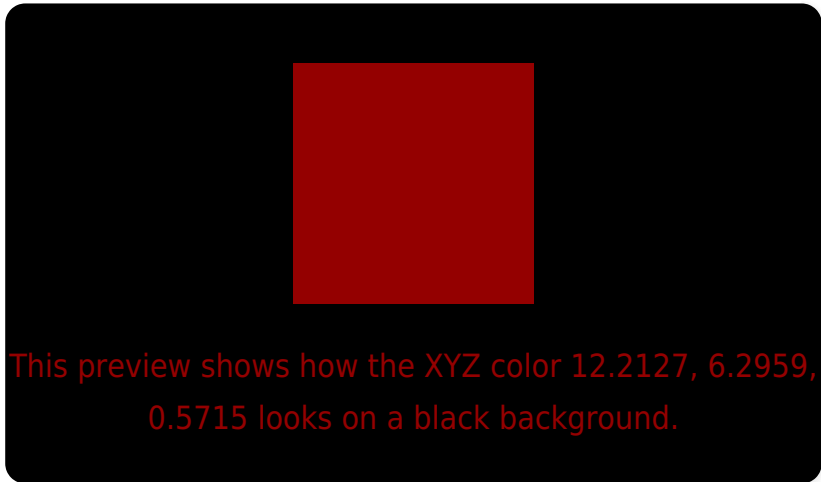
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2127, 6.2959, 0.5715

Background



This preview shows how black text looks on a background with the XYZ color 12.2127, 6.2959, 0.5715.



This preview shows how white text looks on a background with the XYZ color 12.2127, 6.2959,

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

12.2127, 6.2959, 0.5715

Protanopia

6.2898, 6.9640, 1.6288

Deuteranopia

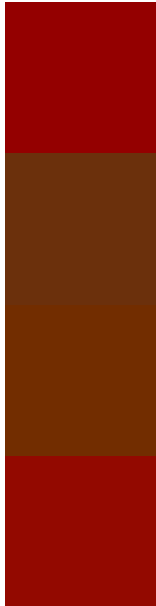
6.8693, 6.8862, 0.9671



Tritanopia

12.1897, 6.5171, 0.6155

Trichromacy



Original Color

12.2127, 6.2959, 0.5715

Protanomaly

7.1867, 5.2662, 0.9855

Deuteranomaly

7.8778, 5.4542, 0.6376

Tritanomaly

12.1303, 6.3984, 0.5957

Monochromacy



Original Color

12.2127, 6.2959, 0.5715

Achromatopsia

2.3940, 2.5187, 2.7428

Achromatomaly

4.1045, 2.7082, 1.4050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2127, 6.2959, 0.5715 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, 0)` looks like.

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

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, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 12.2127, 6.2959, 0.5715 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, 0) }
```


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

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

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, 0)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 12.2127, 6.2959, 0.5715 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, 0) }
```

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

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

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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