

Converting Colors

XYZ(12.8949, 7.1480, 1.6435)

Have a look what the booklet for
XYZ(12.8949, 7.1480, 1.6435)
contains.

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Color

**XYZ(12.9175, 7.1550,
1.6199)**

Conversions

Conversions Part 1

Format	Color
Hex	951919
RGB	149, 25, 25
RGB Percent	58%, 10%, 10%
CMY	0.4157, 0.9019, 0.9020
CMYK	0.00, 0.83, 0.83, 0.42
HSL	0°, 71%, 34%
HSV	0°, 83%, 58%
XYZ	12.9175, 7.1550, 1.6199
YIQ	62.0760, 73.9040, 26.2880

Conversions

Conversions Part 2

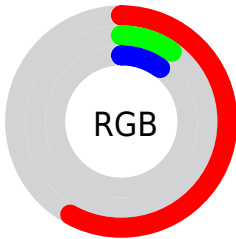
Format	Color
R_{YB}	149, 25, 25
Decimal	9771289
CIE Lab	32.16, 49.50, 33.84
CIE LCh	32, 59.958, 34.361
Yxy	7.1550, 0.5955, 0.3298
Android (android.graphics.Color)	4287961369 (0xFF951919)
YUV	62.0760, -18.2785, 76.2323
Hunter-Lab	26.7488, 39.3905, 15.1336

Details

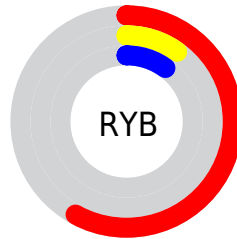
The XYZ color **12.9175, 7.1550, 1.6199** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **16.5712, 23.8676, 32.1670**, and the grayscale version is **4.6086, 4.8487, 5.2802**.

A 20% lighter version of the original color is **30.7458, 20.3178, 7.9315**, and **4.1198, 2.1238, 0.1928** is the 20% darker color. If you saturate the color by 10%, you get **12.5594, 6.6312, 0.9080**, and if you desaturate by 10%, it is **13.5314, 8.0535, 2.8399**.

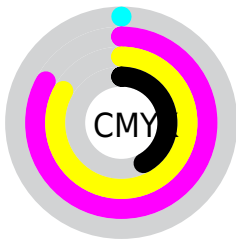
Distribution



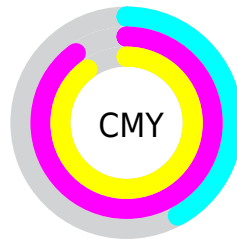
- Red (58%)
- Green (10%)
- Blue (10%)



- Red (58%)
- Yellow (10%)
- Blue (10%)



- Cyan (0%)
- Magenta (83%)
- Yellow (83%)
- Black (42%)



- Cyan (42%)
- Magenta (90%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9175, 7.1550, 1.6199 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 12.9175, 7.1550, 1.6199 by changing the saturation by 10% instead.

■ 12.9175, 7.1550,
1.6199

■ 12.9175, 7.1550,
1.6199

204.0366,
168.9455, 116.1636

■ 7.4484, 3.5592,
0.3050

■ 30.7581, 20.2844,
7.9729

■ 3.7929, 1.4302,
0.0000

■ 43.8602, 30.5867,
13.9869

■ 1.5856, 0.2388,
0.0000

■ 60.2374, 43.8934,
22.4505

■ 0.3830, 0.0000,
0.0000

■ 80.2550, 60.5888,
33.7825


■ 0.0000, 0.0000,
0.0000


■ 104.2784, 81.0573,
48.4012


■ 132.6728,


105.6834, 66.7253


 165.8038,
134.8513, 89.1733

 12.9175, 7.1550,
1.6199


 12.9175, 7.1550,
1.6199

 12.5594, 6.6312,
0.9080


 13.5314, 8.0535,
2.8399

 12.3945, 6.3898,
0.5801

 14.4362, 9.3776,
4.6385

 15.6622, 11.1717,
7.0756

 17.2357, 13.4741,
10.2035

 19.1802, 16.3195,
14.0691

■ 21.5172, 19.7392,
18.7151

■ 24.2667, 23.7625,
24.1810

■ 27.4472, 28.4164,
30.5038

■ 31.0760, 33.7263,
37.7181

Harmonies

Analogous

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



14.5314, 7.1550, 6.5765



12.9175, 7.1550, 1.6199



9.6826, 7.1550, 0.0971

Triad

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



12.9175, 7.1550, 1.6199



2.7512, 7.1550, 2.5319



7.2586, 7.1550, 39.6442

Complementary

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



12.9175, 7.1550, 1.6199



16.5712, 23.8676, 32.1670

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.



4.5561, 7.1550, 35.0612



12.9175, 7.1550, 1.6199



2.4545, 7.1550, 9.1456

Square

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



12.9175, 7.1550, 1.6199



3.9873, 7.1550, 0.4159



3.0037, 7.1550, 21.7258



10.6984, 7.1550, 31.6782

Rectangle

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



12.9175, 7.1550, 1.6199



7.3963, 7.1550, 0.0000



3.0037, 7.1550, 21.7258



6.2378, 7.1550, 39.5472

Sweetspot

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



12.9177, 7.1554, 1.6200



37.5144, 33.8573, 31.4877



18.1667, 9.2547, 29.2623



8.0143, 7.0652, 6.3830



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.



12.9177, 7.1554, 1.6200



22.1970, 11.4433, 1.0389



15.9779, 13.2760, 2.6401



5.8008, 5.8155, 6.0572



10.4318, 5.3780, 0.4882



0.1277, 0.0658, 0.0060

Inverse Universe

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



16.5712, 23.8676, 32.1670



28.9584, 42.3726, 57.5737



9.2338, 9.1929, 29.7212



5.9641, 6.5622, 7.4220



13.6094, 19.9136, 27.0575



0.1666, 0.2438, 0.3312

Previews

White Background



This preview shows how the XYZ color 12.9175, 7.1550, 1.6199 looks on a white background.

Color Contrast Check

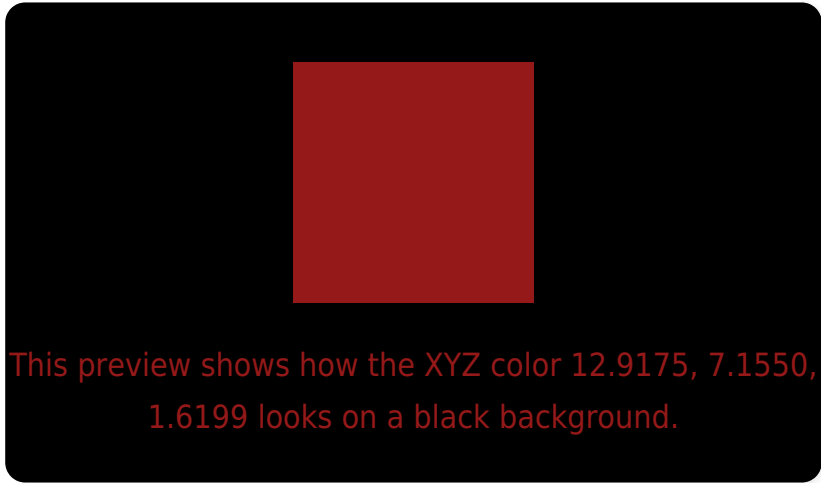
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9175, 7.1550, 1.6199

Background



This preview shows how black text looks on a background with the XYZ color 12.9175, 7.1550, 1.6199.



This preview shows how white text looks on a background with the XYZ color 12.9175, 7.1550,

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

12.9175, 7.1550, 1.6199

Protanopia

6.9120, 7.5672, 2.9300

Deuteranopia

7.4743, 7.3837, 1.3184



Tritanopia

12.9069, 7.1508, 1.5641

Trichromacy



Original Color

12.9175, 7.1550, 1.6199

Protanomaly

8.1452, 6.4889, 2.2620

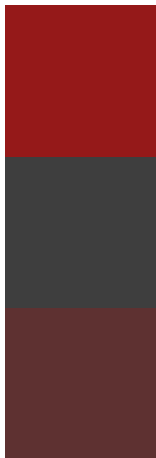
Deuteranomaly

8.8365, 6.6447, 1.2688

Tritanomaly

12.9069, 7.1508, 1.5641

Monochromacy



Original Color

12.9175, 7.1550, 1.6199

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

6.2688, 4.7981, 3.5014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9175, 7.1550, 1.6199 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(149, 25, 25)` looks like.

```
.text, #text, p{  
  color:rgb(149, 25, 25)  
}
```

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(149, 25, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 25, 25) }
```

Border

The CSS property to change the border of an element to XYZ 12.9175, 7.1550, 1.6199 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(149, 25, 25) }
```


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

```
.border{ border-color:rgb(149, 25, 25) }
```

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

Here you see how a box with a 4 pixel rgb(149, 25, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 25, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 25, 25);  
box-shadow:4px 4px 4px 4px rgb(149, 25,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9175, 7.1550, 1.6199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 25, 25) }
```

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

```
.background{ background-color: rgb(149, 25,  
25) }
```

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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