

Converting Colors

XYZ(22.6616, 11.9415, 1.3742)

Have a look what the booklet for
XYZ(22.6616, 11.9415, 1.3742)
contains.

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Color

**XYZ(22.7403, 11.9924,
1.3747)**

Conversions

Conversions Part 1

Format	Color
Hex	C31009
RGB	195, 16, 9
RGB Percent	76%, 6%, 4%
CMY	0.2353, 0.9371, 0.9647
CMYK	0.00, 0.92, 0.95, 0.24
HSL	2°, 91%, 40%
HSV	2°, 95%, 76%
XYZ	22.7403, 11.9924, 1.3747
YIQ	68.7230, 108.9310, 35.7710

Conversions

Conversions Part 2

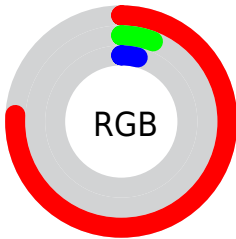
Format	Color
RYB	195, 16, 9
Decimal	12783625
CIELab	41.20, 63.83, 52.06
CIELCh	41, 82.367, 39.199
Yxy	11.9924, 0.6298, 0.3321
Android (android.graphics.Color)	4290973705 (0xFFC31009)
YUV	68.7230, -29.4434, 110.7449
Hunter-Lab	34.6300, 56.6119, 21.8874

Details

The XYZ color **22.7403, 11.9924, 1.3747** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **27.9405, 39.9533, 57.8686**, and the grayscale version is **5.6478, 5.9420, 6.4708**.

A 20% lighter version of the original color is **45.4119, 28.3819, 7.0878**, and **9.3601, 4.8253, 0.4380** is the 20% darker color. If you saturate the color by 10%, you get **22.5855, 11.7619, 1.0799**, and if you desaturate by 10%, it is **23.3161, 12.8781, 2.3872**.

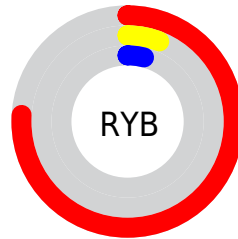
Distribution



Red (76%)

Green (6%)

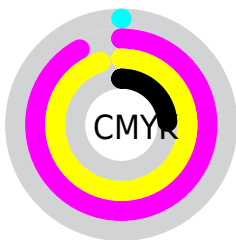
Blue (4%)



Red (76%)

Yellow (6%)

Blue (4%)

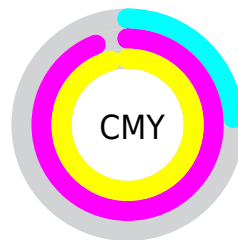


Cyan (0%)

Magenta (92%)

Yellow (95%)

Black (24%)



Cyan (24%)


Magenta (94%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 22.7403, 11.9924, 1.3747 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 22.7403, 11.9924, 1.3747 by changing the saturation by 10% instead.


 22.7403, 11.9924,
1.3747


 22.7403, 11.9924,
1.3747


 258.9486,
204.3550, 111.7548


 14.5215, 6.7385,
0.1219


 47.4363, 29.4813,
7.2474


 8.5684, 3.2991,
0.0000


 64.6443, 42.4850,
12.9259

 4.5156, 1.2898,
0.0000

 85.5794, 58.8409,
20.9906

 1.9978, 0.1333,
0.0000

 110.6069, 78.9332,
31.8599

 0.6327, 0.0000,
0.0000


 140.0922,
103.1463, 45.9524


 0.0000, 0.0000,
0.0000


 174.4007,


131.8648, 63.6867


 213.8977,
165.4728, 85.4813


 22.7403, 11.9924,
1.3747


 22.7403, 11.9924,
1.3747


 22.5855, 11.7619,
1.0799

 23.3161, 12.8781,
2.3872

 24.3376, 14.4125,
4.2957

 25.8718, 16.6893,
7.2473

 27.9740, 19.7863,
11.3620

 30.6924, 23.7715,
16.7436

■ 34.0703, 28.7059,
23.4844

■ 38.1467, 34.6451,
31.6680

■ 42.9580, 41.6402,
41.3714

■ 48.5376, 49.7392,
52.6660

Harmonies

Analogous

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



26.8017, 11.9924, 8.4951



22.7403, 11.9924, 1.3747



15.9554, 11.9924, 0.0000

Triad

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



22.7403, 11.9924, 1.3747



3.7075, 11.9924, 4.5447



13.3237, 11.9924, 79.2909

Complementary

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



22.7403, 11.9924, 1.3747



27.9405, 39.9533, 57.8686

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.



7.8040, 11.9924, 73.7288



22.7403, 11.9924, 1.3747



3.4319, 11.9924, 19.0166

Square

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



22.7403, 11.9924, 1.3747



5.5959, 11.9924, 0.5041



4.6399, 11.9924, 46.5669



20.2494, 11.9924, 58.3583

Rectangle

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



22.7403, 11.9924, 1.3747



11.5589, 11.9924, 0.0000



4.6399, 11.9924, 46.5669



11.2394, 11.9924, 80.6886

Sweetspot

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



22.7406, 11.9932, 1.3749



65.1980, 57.5019, 50.4376



31.7668, 15.4629, 49.3404



13.5976, 11.6012, 9.6809



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



22.7406, 11.9932, 1.3749



40.4116, 20.9866, 1.9209



27.9386, 22.3893, 3.1075



10.1030, 10.1375, 10.4861



14.6934, 7.6725, 0.7065



0.6456, 0.3530, 0.0341

Inverse Universe

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



27.9405, 39.9533, 57.8686



49.6669, 71.1065, 103.5770



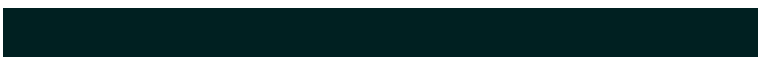
14.1277, 12.3277, 53.2643



10.3349, 11.3611, 12.9330



18.0540, 25.8645, 37.5974



0.7904, 1.1382, 1.6279

Previews

White Background



This preview shows how the XYZ color 22.7403, 11.9924, 1.3747 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 × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7403, 11.9924, 1.3747

Background



This preview shows how black text looks on a background with the XYZ color 22.7403, 11.9924, 1.3747.



This preview shows how white text looks on a background with the XYZ color 22.7403, 11.9924,

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

22.7403, 11.9924, 1.3747

Protanopia

11.2152, 12.3823, 2.8358

Deuteranopia

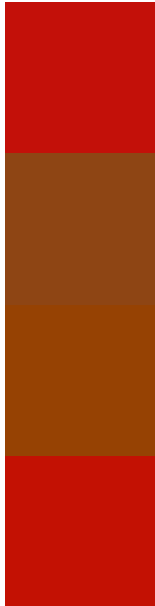
12.4602, 12.3654, 1.7300



Tritanopia

22.7061, 12.0030, 1.1201

Trichromacy



Original Color

22.7403, 11.9924, 1.3747

Protanomaly

13.4097, 10.0575, 1.8963

Deuteranomaly

14.5423, 10.3870, 1.3246

Tritanomaly

22.7226, 12.0096, 1.2066

Monochromacy



Original Color

22.7403, 11.9924, 1.3747

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

8.7239, 6.1313, 3.4130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7403, 11.9924, 1.3747 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(195, 16, 9)` looks like.

```
.text, #text, p{  
    color:rgb(195, 16, 9)  
}
```

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(195, 16, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 16, 9) }
```

Border

The CSS property to change the border of an element to XYZ 22.7403, 11.9924, 1.3747 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(195, 16, 9) }
```


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

```
.border{ border-color:rgb(195, 16, 9) }
```

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

Here you see how a box with a 4 pixel rgb(195, 16, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 16, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 16, 9);  
box-shadow:4px 4px 4px 4px rgb(195, 16, 9)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.7403, 11.9924, 1.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 16, 9) }
```

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

```
.background{ background-color: rgb(195, 16,  
9) }
```

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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