

Converting Colors

XYZ(23.7540, 12.2224, 2.1594)

Have a look what the booklet for
XYZ(23.7540, 12.2224, 2.1594)
contains.

XYZ(23.7510, 12.2212, 2.1440)	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(23.7510, 12.2212,
2.1440)**

Conversions

Conversions Part 1

Format	Color
Hex	C7001B
RGB	199, 0, 27
RGB Percent	78%, 0%, 11%
CMY	0.2196, 0.9999, 0.8941
CMYK	0.00, 1.00, 0.86, 0.22
HSL	352°, 100%, 39%
HSV	352°, 100%, 78%
XYZ	23.7510, 12.2212, 2.1440
YIQ	62.5790, 109.9370, 50.5850

Conversions

Conversions Part 2

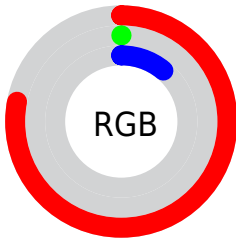
Format	Color
RYB	199, 0, 27
Decimal	13041691
CIELab	41.57, 66.81, 45.24
CIElCh	42, 80.684, 34.108
Yxy	12.2212, 0.6231, 0.3206
Android (android.graphics.Color)	4291231771 (0xFFC7001B)
YUV	62.5790, -17.5404, 119.6412
Hunter-Lab	34.9588, 60.0948, 20.8350

Details

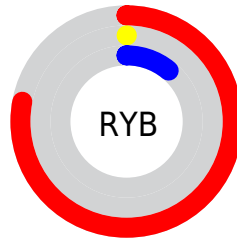
The XYZ color **23.7510, 12.2212, 2.1440** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **27.8737, 43.8268, 46.0389**, and the grayscale version is **4.6794, 4.9231, 5.3613**.

A 20% lighter version of the original color is **45.6129, 28.0817, 9.3196**, and **9.9917, 5.1509, 0.4676** is the 20% darker color. If you saturate the color by 10%, you get **23.7505, 12.2210, 2.1420**, and if you desaturate by 10%, it is **24.2605, 12.8235, 3.5995**.

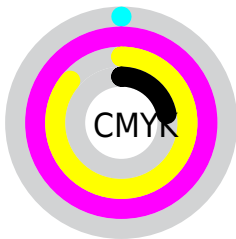
Distribution



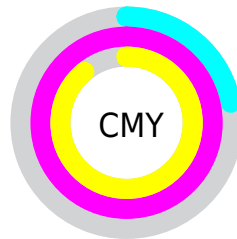
- Red (78%)
- Green (0%)
- Blue (11%)



- Red (78%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (86%)
- Black (22%)





- Cyan (22%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7510, 12.2212, 2.1440 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 23.7510, 12.2212, 2.1440 by changing the saturation by 10% instead.


 23.7510, 12.2212,
2.1440


 23.7510, 12.2212,
2.1440


264.0231,
205.8642, 124.5742


 15.2727, 6.8945,
0.6418


 49.0812, 29.8973,
9.4309


 9.0986, 3.3962,
0.0000


 66.6639, 43.0156,
16.0872

 4.8632, 1.3419,
0.0000

 88.0120, 59.4998,
25.3102

 2.2011, 0.1733,
0.0000

 113.4911, 79.7344,
37.5185


 0.7433, 0.0000,
0.0000


 143.4664,
104.1037, 53.1304


 0.0000, 0.0000,
0.0000


 178.3032,


132.9922, 72.5647


 218.3670,
166.7842, 96.2398


 23.7510, 12.2212,
2.1440


 23.7510, 12.2212,
2.1440


 23.7505, 12.2210,
2.1420

 24.2605, 12.8235,
3.5995

 25.1597, 13.9900,
5.8468

 26.5523, 15.9052,
8.9934

 28.4980, 18.6676,
13.1224

 31.0475, 22.3606,
18.3072

■ 34.2461, 27.0577,
24.6141

■ 38.1343, 32.8251,
32.1040

■ 42.7496, 39.7231,
40.8332

■ 48.1266, 47.8077,
50.8547

Harmonies

Analogous

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



26.9804, 12.2212, 11.1149



23.7510, 12.2212, 2.1440



17.3000, 12.2212, 0.0000

Triad

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



23.7510, 12.2212, 2.1440



4.1131, 12.2212, 3.5708



12.4466, 12.2212, 79.0164

Complementary

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



23.7510, 12.2212, 2.1440



27.8737, 43.8268, 46.0389

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.



7.3370, 12.2212, 69.0576



23.7510, 12.2212, 2.1440



3.5830, 12.2212, 15.7694

Square

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



23.7510, 12.2212, 2.1440



6.3499, 12.2212, 0.3397



4.5329, 12.2212, 41.0606



19.1991, 12.2212, 62.3213

Rectangle

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



23.7510, 12.2212, 2.1440



12.8184, 12.2212, 0.0000



4.5329, 12.2212, 41.0606



10.4910, 12.2212, 78.7279

Sweetspot

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



23.7513, 12.2220, 2.1442



66.4309, 56.9685, 55.5630



26.7046, 12.5765, 55.0525



13.5683, 11.2265, 10.6453



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.



23.7513, 12.2220, 2.1442



41.5368, 21.3787, 3.4930



25.7231, 16.4818, 1.8267



10.6914, 10.6600, 11.3583



15.2912, 7.8660, 1.4773



0.7436, 0.3803, 0.1731

Inverse Universe

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



23.7513, 12.2220, 2.1442



41.5368, 21.3787, 3.4930



18.2074, 19.9200, 56.9178



10.6914, 10.6600, 11.3583



15.2912, 7.8660, 1.4773



0.7436, 0.3803, 0.1731

Previews

White Background



This preview shows how the XYZ color 23.7510, 12.2212, 2.1440 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 23.7510, 12.2212, 2.1440

Background



This preview shows how black text looks on a background with the XYZ color 23.7510, 12.2212, 2.1440.



This preview shows how white text looks on a background with the XYZ color 23.7510, 12.2212,

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

23.7510, 12.2212, 2.1440

Protanopia

11.8094, 12.9416, 4.3582

Deuteranopia

12.8446, 12.6964, 1.7737



Tritanopia

23.5050, 12.4384, 1.1620

Trichromacy



Original Color

23.7510, 12.2212, 2.1440

Protanomaly

13.6848, 9.7360, 2.9917

Deuteranomaly

14.8075, 10.0259, 1.4419

Tritanomaly

23.4632, 12.2670, 1.4183

Monochromacy



Original Color

23.7510, 12.2212, 2.1440

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

8.0166, 5.1926, 3.5974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7510, 12.2212, 2.1440 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(199, 0, 27)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 27)  
}
```

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(199, 0, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 27) }
```

Border

The CSS property to change the border of an element to XYZ 23.7510, 12.2212, 2.1440 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(199, 0, 27) }
```


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

```
.border{ border-color:rgb(199, 0, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 0, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 27);  
box-shadow:4px 4px 4px 4px rgb(199, 0, 27)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.7510, 12.2212, 2.1440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 27) }
```

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

```
.background{ background-color: rgb(199, 0,  
27) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor