

Converting Colors

XYZ(23.6243, 12.2534, 1.6062)

Have a look what the booklet for
XYZ(23.6243, 12.2534, 1.6062)
contains.

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Color

**XYZ(23.7010, 12.2881,
1.6129)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | C70510 |
| RGB | 199, 5, 16 |
| RGB Percent | 78%, 2%, 6% |
| CMY | 0.2196, 0.9802, 0.9372 |
| CMYK | 0.00, 0.97, 0.92, 0.22 |
| HSL | 357°, 95%, 40% |
| HSV | 357°, 97%, 78% |
| XYZ | 23.7010, 12.2881, 1.6129 |
| YIQ | 64.2600, 112.0930, 44.5490 |

Conversions

Conversions Part 2

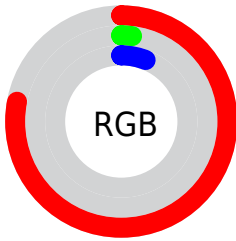
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 199, 5, 16 |
| Decimal | 13042960 |
| CIELab | 41.67, 66.13, 50.31 |
| CIELCh | 42, 83.096, 37.264 |
| Yxy | 12.2881, 0.6303, 0.3268 |
| Android (android.graphics.Color) | 4291233040 (0xFFC70510) |
| YUV | 64.2600, -23.7922, 118.1670 |
| Hunter-Lab | 35.0544, 59.3424, 21.8101 |

Details

The XYZ color **23.7010, 12.2881, 1.6129** 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 **29.5678, 44.5116, 54.6330**, and the grayscale version is **4.9386, 5.1958, 5.6582**.

A 20% lighter version of the original color is **45.3857, 28.1159, 7.7374**, and **9.9917, 5.1509, 0.4676** is the 20% darker color. If you saturate the color by 10%, you get **23.6148, 12.1667, 1.4278**, and if you desaturate by 10%, it is **24.1995, 12.9548, 2.7979**.

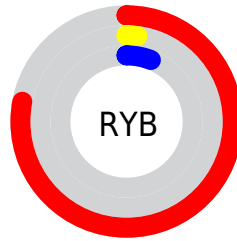
Distribution



Red (78%)

Green (2%)

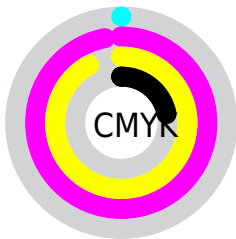
Blue (6%)



Red (78%)

Yellow (2%)

Blue (6%)

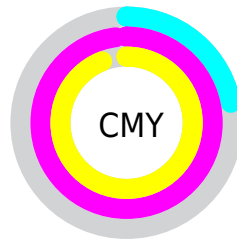


Cyan (0%)

Magenta (97%)

Yellow (92%)

Black (22%)



Cyan (22%)


Magenta (98%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7010, 12.2881, 1.6129 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 23.7010, 12.2881, 1.6129 by changing the saturation by 10% instead.


 23.7010, 12.2881,
1.6129


 23.7010, 12.2881,
1.6129


 263.7739,
206.3034, 116.0427


 15.2355, 6.9402,
0.3000


 49.0001, 30.0187,
7.9526


 9.0722, 3.4247,
0.0000


 66.5644, 43.1703,
13.9574

 4.8458, 1.3573,
0.0000

 87.8923, 59.6918,
22.4101

 2.1909, 0.1849,
0.0000

 113.3492, 79.9678,
33.7294


 0.7379, 0.0000,
0.0000


 143.3005,
104.3825, 48.3338


 0.0000, 0.0000,
0.0000


 178.1114,


133.3204, 66.6417


 218.1475,
167.1659, 89.0719


 23.7010, 12.2881,
1.6129


 23.7010, 12.2881,
1.6129


 23.6148, 12.1667,
1.4278

 24.1995, 12.9548,
2.7979

 25.1408, 14.2689,
4.8643

 26.6090, 16.3653,
7.9435

 28.6662, 19.3399,
12.1431

 31.3659, 23.2753,
17.5568

■ 34.7557, 28.2442,
24.2686

■ 38.8784, 34.3124,
32.3549

■ 43.7736, 41.5403,
41.8864

■ 49.4779, 49.9840,
52.9287

Harmonies

Analogous

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



27.5768, 12.2881, 9.5708



23.7010, 12.2881, 1.6129



16.8164, 12.2881, 0.0000

Triad

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



23.7010, 12.2881, 1.6129



3.8651, 12.2881, 4.1517



13.2239, 12.2881, 81.8626

Complementary

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



23.7010, 12.2881, 1.6129



29.5678, 44.5116, 54.6330

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.



7.7123, 12.2881, 74.2897



23.7010, 12.2881, 1.6129



3.4876, 12.2881, 18.0848

Square

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



23.7010, 12.2881, 1.6129



5.9262, 12.2881, 0.3994



4.6178, 12.2881, 45.7010



20.3036, 12.2881, 61.7687

Rectangle

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



23.7010, 12.2881, 1.6129



12.2476, 12.2881, 0.0000



4.6178, 12.2881, 45.7010



11.1292, 12.2881, 82.6376

Sweetspot

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



23.7013, 12.2889, 1.6131



66.5551, 57.8405, 53.6819



30.6299, 14.6807, 55.2517



13.5662, 11.3801, 10.1587



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.



23.7013, 12.2889, 1.6131



41.3221, 21.2928, 2.3621



27.1605, 19.3129, 2.4410



10.6578, 10.6465, 11.1811



15.1958, 7.8279, 0.9748



0.7282, 0.3741, 0.0918

Inverse Universe

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



23.7013, 12.2889, 1.6131



41.3221, 21.2928, 2.3621



16.4970, 16.4064, 56.3296



10.6578, 10.6465, 11.1811



15.1958, 7.8279, 0.9748



0.7282, 0.3741, 0.0918

Previews

White Background



This preview shows how the XYZ color 23.7010, 12.2881, 1.6129 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 23.7010, 12.2881, 1.6129

Background



This preview shows how black text looks on a background with the XYZ color 23.7010, 12.2881, 1.6129.



This preview shows how white text looks on a background with the XYZ color 23.7010, 12.2881,

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

23.7010, 12.2881, 1.6129

Protanopia

11.6103, 12.8619, 3.3095

Deuteranopia

12.8446, 12.6964, 1.7737



Tritanopia

23.5050, 12.4384, 1.1620

Trichromacy



Original Color

23.7010, 12.2881, 1.6129

Protanomaly

13.6476, 9.9049, 2.2294

Deuteranomaly

14.8924, 10.2307, 1.3621

Tritanomaly

23.4655, 12.3068, 1.3110

Monochromacy



Original Color

23.7010, 12.2881, 1.6129

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.1870, 5.4437, 3.3086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7010, 12.2881, 1.6129 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, 5, 16)` looks like.

```
.text, #text, p{  
    color:rgb(199, 5, 16)  
}
```

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, 5, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 5, 16) }
```

Border

The CSS property to change the border of an element to XYZ 23.7010, 12.2881, 1.6129 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, 5, 16) }
```


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

```
.border{ border-color:rgb(199, 5, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 5, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 5, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 5, 16);  
box-shadow:4px 4px 4px 4px rgb(199, 5, 16)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.7010, 12.2881, 1.6129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 5, 16) }
```

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

```
.background{ background-color: rgb(199, 5,  
16) }
```

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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