

Converting Colors

XYZ(23.0488, 12.5225, 1.6216)

Have a look what the booklet for
XYZ(23.0488, 12.5225, 1.6216)
contains.

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Color

**XYZ(23.0243, 12.5125,
1.6171)**

Conversions

Conversions Part 1

Format	Color
Hex	C31D0E
RGB	195, 29, 14
RGB Percent	76%, 11%, 5%
CMY	0.2353, 0.8862, 0.9451
CMYK	0.00, 0.85, 0.93, 0.24
HSL	5°, 87%, 41%
HSV	5°, 93%, 76%
XYZ	23.0243, 12.5125, 1.6171
YIQ	76.9240, 103.7510, 30.5270

Conversions

Conversions Part 2

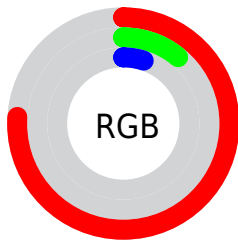
Format	Color
RYB	195, 30, 14
Decimal	12786958
CIELab	42.02, 61.60, 50.87
CIElCh	42, 79.894, 39.550
Yxy	12.5125, 0.6197, 0.3368
Android (android.graphics.Color)	4290977038 (0xFFC31D0E)
YUV	76.9240, -31.0215, 103.5527
Hunter-Lab	35.3730, 54.2829, 22.0506

Details

The XYZ color **23.0243, 12.5125, 1.6171** 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 **26.3493, 36.6692, 57.3185**, and the grayscale version is **7.0838, 7.4527, 8.1160**.

A 20% lighter version of the original color is **46.0239, 29.4365, 7.8135**, and **9.3601, 4.8253, 0.4380** is the 20% darker color. If you saturate the color by 10%, you get **22.6934, 11.9779, 1.1159**, and if you desaturate by 10%, it is **23.7996, 13.7396, 2.8735**.

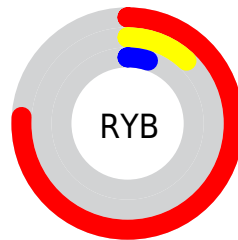
Distribution



Red (76%)

Green (11%)

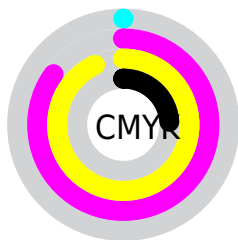
Blue (5%)



Red (76%)

Yellow (12%)

Blue (5%)

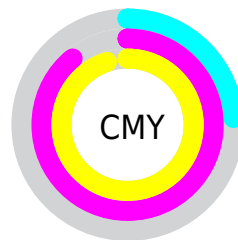


Cyan (0%)

Magenta (85%)

Yellow (93%)

Black (24%)



Cyan (24%)


Magenta (89%)


Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0243, 12.5125, 1.6171 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 23.0243, 12.5125, 1.6171 by changing the saturation by 10% instead.


 23.0243, 12.5125,
1.6171


 23.0243, 12.5125,
1.6171


 260.3828,
207.7693, 116.1153


 14.7322, 7.0937,
0.3030


 47.8996, 30.4251,
7.9648


 8.7168, 3.5208,
0.0000


 65.2135, 43.6878,
13.9751

 4.6125, 1.4093,
0.0000

 86.2655, 60.3339,
22.4344

 2.0542, 0.2236,
0.0000

 111.4208, 80.7478,
33.7613


 0.6641, 0.0000,
0.0000


 141.0448,
105.3138, 48.3743


 0.0000, 0.0000,
0.0000


 175.5029,


134.4165, 66.6919


 215.1605,
168.4402, 89.1327


 23.0243, 12.5125,
1.6171


 23.0243, 12.5125,
1.6171


 22.6934, 11.9779,
1.1159

 23.7996, 13.7396,
2.8735

 25.0259, 15.6146,
5.0632

 26.7592, 18.2116,
8.3217

 29.0470, 21.5941,
12.7625

 31.9313, 25.8186,
18.4844

■ 35.4502, 30.9365,
25.5758

■ 39.6383, 36.9949,
34.1175

■ 44.5279, 44.0377,
44.1837

■ 50.1493, 52.1060,
55.8437

Harmonies

Analogous

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



27.0459, 12.5125, 8.8943



23.0243, 12.5125, 1.6171



16.3363, 12.5125, 0.0000

Triad

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



23.0243, 12.5125, 1.6171



4.0909, 12.5125, 5.1052



13.8857, 12.5125, 77.8251

Complementary

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



23.0243, 12.5125, 1.6171



26.3493, 36.6692, 57.3185

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.



8.3383, 12.5125, 72.8081



23.0243, 12.5125, 1.6171



3.8218, 12.5125, 19.7888

Square

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



23.0243, 12.5125, 1.6171



6.0113, 12.5125, 0.7581



5.0912, 12.5125, 46.7719



20.7269, 12.5125, 57.4773

Rectangle

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



23.0243, 12.5125, 1.6171



11.9826, 12.5125, 0.0000



5.0912, 12.5125, 46.7719



11.8034, 12.5125, 79.2763

Sweetspot

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



23.0246, 12.5133, 1.6173



66.6311, 59.9550, 52.1888



31.2028, 15.3322, 46.0779



13.9021, 12.1308, 10.0271



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.



23.0246, 12.5133, 1.6173



40.5752, 21.3138, 1.9754



28.8957, 24.2556, 3.5743



10.1389, 10.2092, 10.4981



14.7757, 7.8371, 0.7339



0.6619, 0.3855, 0.0395

Inverse Universe

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



26.3493, 36.6692, 57.3185



46.3599, 64.4924, 102.4746



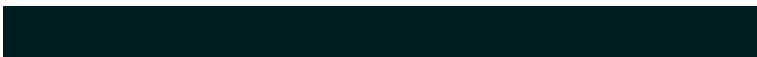
13.8962, 11.7631, 53.1675



10.2948, 11.2809, 12.9197



16.8861, 23.5286, 37.2081



0.7511, 1.0596, 1.6148

Previews

White Background



This preview shows how the XYZ color 23.0243, 12.5125, 1.6171 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 23.0243, 12.5125, 1.6171

Background



This preview shows how black text looks on a background with the XYZ color 23.0243, 12.5125, 1.6171.



This preview shows how white text looks on a background with the XYZ color 23.0243, 12.5125,

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

23.0243, 12.5125, 1.6171

Protanopia

11.6981, 12.9118, 3.1040

Deuteranopia

12.8446, 12.6964, 1.7737



Tritanopia

23.0964, 12.5028, 2.1157

Trichromacy



Original Color

23.0243, 12.5125, 1.6171

Protanomaly

14.0086, 10.9377, 2.2370

Deuteranomaly

15.2295, 11.1928, 1.5013

Tritanomaly

23.0563, 12.4868, 1.9044

Monochromacy



Original Color

23.0243, 12.5125, 1.6171

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

10.0274, 7.4911, 4.4075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0243, 12.5125, 1.6171 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, 29, 14)` looks like.

```
.text, #text, p{  
    color:rgb(195, 29, 14)  
}
```

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, 29, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 29, 14) }
```

Border

The CSS property to change the border of an element to XYZ 23.0243, 12.5125, 1.6171 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, 29, 14) }
```


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

```
.border{ border-color:rgb(195, 29, 14) }
```

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

Here you see how a box with a 4 pixel rgb(195, 29, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 29, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 29, 14);  
box-shadow:4px 4px 4px 4px rgb(195, 29,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0243, 12.5125, 1.6171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 29, 14) }
```

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

```
.background{ background-color: rgb(195, 29,  
14) }
```

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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