

Converting Colors

XYZ(23.6195, 12.1687, 1.4517)

Have a look what the booklet for
XYZ(23.6195, 12.1687, 1.4517)
contains.

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Color

**XYZ(23.6195, 12.1687,
1.4517)**

Conversions

Conversions Part 1

Format	Color
Hex	C7000C
RGB	199, 0, 12
RGB Percent	78%, 0%, 5%
CMY	0.2196, 0.9998, 0.9529
CMYK	0.00, 1.00, 0.94, 0.22
HSL	356°, 100%, 39%
HSV	356°, 100%, 78%
XYZ	23.6195, 12.1687, 1.4517
YIQ	60.8690, 114.7520, 45.9200

Conversions

Conversions Part 2

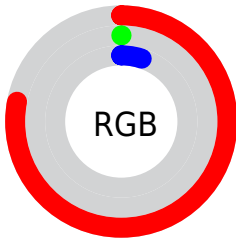
Format	Color
RYB	199, 0, 12
Decimal	13041676
CIELab	41.48, 66.58, 51.68
CIElCh	41, 84.285, 37.822
Yxy	12.1687, 0.6343, 0.3268
Android (android.graphics.Color)	4291231756 (0xFFC7000C)
YUV	60.8690, -24.0924, 121.1409
Hunter-Lab	34.8837, 59.8148, 21.9512

Details

The XYZ color **23.6195, 12.1687, 1.4517** 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 **29.3981, 44.4364, 54.0661**, and the grayscale version is **4.4421, 4.6734, 5.0893**.

A 20% lighter version of the original color is **45.2259, 27.9269, 7.2817**, and **9.9917, 5.1509, 0.4676** is the 20% darker color. If you saturate the color by 10%, you get **23.6190, 12.1684, 1.4503**, and if you desaturate by 10%, it is **24.0455, 12.7377, 2.4672**.

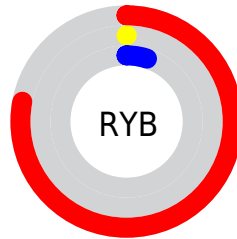
Distribution



Red (78%)

Green (0%)

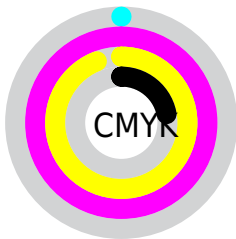
Blue (5%)



Red (78%)

Yellow (0%)

Blue (5%)

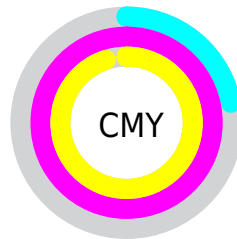


Cyan (0%)

Magenta (100%)

Yellow (94%)

Black (22%)



Cyan (22%)


Magenta (100%)


Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6195, 12.1687, 1.4517 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 23.6195, 12.1687, 1.4517 by changing the saturation by 10% instead.


 23.6195, 12.1687,
1.4517


 23.6195, 12.1687,
1.4517


 263.3674,
205.5190, 113.1796


 15.1748, 6.8587,
0.1816


 48.8678, 29.8020,
7.4789


 9.0293, 3.3739,
0.0000


 66.4021, 42.8940,
13.2657


 4.8175, 1.3299,
0.0000

 87.6969, 59.3489,
21.4594

 2.1743, 0.1642,
0.0000

 113.1177, 79.5509,
32.4784

 0.7291, 0.0000,
0.0000


 143.0298,
103.8846, 46.7415


 0.0000, 0.0000,
0.0000


 177.7986,


132.7342, 64.6670


 217.7893,
166.4842, 86.6735


 23.6195, 12.1687,
1.4517


 23.6195, 12.1687,
1.4517


 23.6190, 12.1684,
1.4503

 24.0455, 12.7377,
2.4672

 24.8695, 13.8743,
4.3183

 26.2022, 15.7657,
7.1489

 28.1084, 18.5125,
11.0693

 30.6431, 22.1998,
16.1752

■ 33.8550, 26.9025,
22.5516

■ 37.7879, 32.6880,
30.2760

■ 42.4820, 39.6178,
39.4195

■ 47.9744, 47.7489,
50.0481

Harmonies

Analogous

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



27.6430, 12.1687, 9.1612



23.6195, 12.1687, 1.4517



16.6183, 12.1687, 0.0000

Triad

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



23.6195, 12.1687, 1.4517



3.7174, 12.1687, 4.1472



13.2478, 12.1687, 82.8785

Complementary

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



23.6195, 12.1687, 1.4517



29.3981, 44.4364, 54.0661

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.



7.6580, 12.1687, 75.6748



23.6195, 12.1687, 1.4517



3.3706, 12.1687, 18.4029

Square

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



23.6195, 12.1687, 1.4517



5.7329, 12.1687, 0.3456



4.5232, 12.1687, 46.6672



20.4186, 12.1687, 61.9070

Rectangle

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



23.6195, 12.1687, 1.4517



12.0205, 12.1687, 0.0000



4.5232, 12.1687, 46.6672



11.1231, 12.1687, 83.8671

Sweetspot

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



23.6198, 12.1695, 1.4519



65.8174, 56.7231, 52.3323



30.4946, 14.5304, 55.2296



13.4286, 11.1707, 9.9096



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.



23.6198, 12.1695, 1.4519



41.3285, 21.2954, 2.3963



26.9016, 18.8390, 2.2197



10.6593, 10.6471, 11.1891



15.1990, 7.8292, 0.9917



0.7289, 0.3744, 0.0954

Inverse Universe

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



23.6198, 12.1695, 1.4519



41.3285, 21.2954, 2.3963



16.1905, 15.8862, 56.2452



10.6593, 10.6471, 11.1891



15.1990, 7.8292, 0.9917



0.7289, 0.3744, 0.0954

Previews

White Background



This preview shows how the XYZ color 23.6195, 12.1687, 1.4517 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 23.6195, 12.1687, 1.4517

Background



This preview shows how black text looks on a background with the XYZ color 23.6195, 12.1687, 1.4517.



This preview shows how white text looks on a background with the XYZ color 23.6195, 12.1687,

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

23.6195, 12.1687, 1.4517

Protanopia

11.6981, 12.9118, 3.1040

Deuteranopia

12.8446, 12.6964, 1.7737



Tritanopia

23.5050, 12.4384, 1.1620

Trichromacy



Original Color

23.6195, 12.1687, 1.4517

Protanomaly

13.4896, 9.6579, 1.9638

Deuteranomaly

14.7746, 10.0128, 1.2688

Tritanomaly

23.4303, 12.2539, 1.2452

Monochromacy



Original Color

23.6195, 12.1687, 1.4517

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.7171, 5.0050, 2.8448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6195, 12.1687, 1.4517 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, 12)` looks like.

```
.text, #text, p{  
  color:rgb(199, 0, 12)  
}
```

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, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 12) }
```

Border

The CSS property to change the border of an element to XYZ 23.6195, 12.1687, 1.4517 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, 12) }
```


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

```
.border{ border-color:rgb(199, 0, 12) }
```

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, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 12);  
box-shadow:4px 4px 4px 4px rgb(199, 0, 12)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.6195, 12.1687, 1.4517 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, 12) }
```

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

```
.background{ background-color: rgb(199, 0,  
12) }
```

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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