

Converting Colors

XYZ(23.9457, 12.3299, 1.7796)

Have a look what the booklet for
XYZ(23.9457, 12.3299, 1.7796)
contains.

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Color

**XYZ(23.9457, 12.3299,
1.7796)**

Conversions

Conversions Part 1

Format	Color
Hex	C80014
RGB	200, 0, 20
RGB Percent	78%, 0%, 8%
CMY	0.2157, 0.9998, 0.9216
CMYK	0.00, 1.00, 0.90, 0.22
HSL	354°, 100%, 39%
HSV	354°, 100%, 78%
XYZ	23.9457, 12.3299, 1.7796
YIQ	62.0800, 112.7800, 48.6200

Conversions

Conversions Part 2

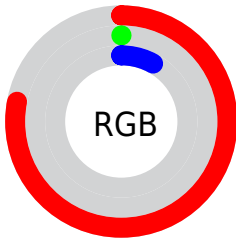
Format	Color
R_{YB}	200, 0, 20
Decimal	13107220
CIE _{Lab}	41.74, 66.93, 48.79
CIE _{LCh}	42, 82.825, 36.090
Yxy	12.3299, 0.6292, 0.3240
Android (android.graphics.Color)	4291297300 (0xFFC80014)
YUV	62.0800, -20.7454, 120.9558
Hunter-Lab	35.1140, 60.2773, 21.5749

Details

The XYZ color **23.9457, 12.3299, 1.7796** 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 **28.8972, 44.6055, 50.2894**, and the grayscale version is **4.6113, 4.8514, 5.2832**.

A 20% lighter version of the original color is **45.3937, 27.9940, 8.1651**, and **10.1533, 5.2342, 0.4752** is the 20% darker color. If you saturate the color by 10%, you get **23.9452, 12.3296, 1.7778**, and if you desaturate by 10%, it is **24.4200, 12.9210, 3.0409**.

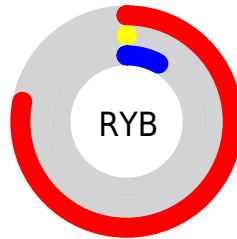
Distribution



Red (78%)

Green (0%)

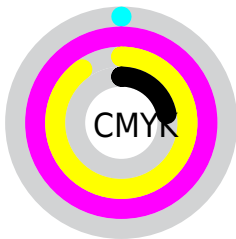
Blue (8%)



Red (78%)

Yellow (0%)

Blue (8%)

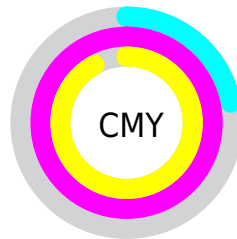


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (22%)



Cyan (22%)

Magenta (100%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9457, 12.3299, 1.7796 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 23.9457, 12.3299, 1.7796 by changing the saturation by 10% instead.

■ 23.9457, 12.3299,
1.7796

■ 23.9457, 12.3299,
1.7796

264.9914,
206.5772, 118.8547

■ 15.4179, 6.9688,
0.4144

■ 49.3969, 30.0945,
8.4290

■ 9.2014, 3.4426,
0.0000

■ 67.0510, 43.2668,
14.6482

■ 4.9309, 1.3669,
0.0000

■ 88.4778, 59.8117,
23.3551

■ 2.2411, 0.1922,
0.0000

■ 114.0428, 80.1134,
34.9684


■ 0.7643, 0.0000,
0.0000


■ 144.1113,
104.5564, 49.9064


■ 0.0000, 0.0000,
0.0000


■ 179.0487,


133.5251, 68.5878


 219.2203,
167.4039, 91.4310


 23.9457, 12.3299,
1.7796


 23.9457, 12.3299,
1.7796


 23.9452, 12.3296,
1.7778

 24.4200, 12.9210,
3.0409

 25.2934, 14.0853,
5.1279

 26.6737, 16.0100,
8.1649

 28.6234, 18.7957,
12.2479

 31.1959, 22.5279,
17.4613

■ 34.4385, 27.2814,
23.8805

■ 38.3938, 33.1239,
31.5748

■ 43.1009, 40.1169,
40.6078

■ 48.5960, 48.3175,
51.0392

Harmonies

Analogous

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



27.6294, 12.3299, 10.1745



23.9457, 12.3299, 1.7796



17.1301, 12.3299, 0.0000

Triad

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



23.9457, 12.3299, 1.7796



3.9468, 12.3299, 3.9086



13.0050, 12.3299, 81.9185

Complementary

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



23.9457, 12.3299, 1.7796



28.8972, 44.6055, 50.2894

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.



7.5877, 12.3299, 73.2708



23.9457, 12.3299, 1.7796



3.5099, 12.3299, 17.3035

Square

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



23.9457, 12.3299, 1.7796



6.0896, 12.3299, 0.3515



4.5787, 12.3299, 44.4205



20.0514, 12.3299, 62.7933

Rectangle

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



23.9457, 12.3299, 1.7796



12.5353, 12.3299, 0.0000



4.5787, 12.3299, 44.4205



10.9393, 12.3299, 82.2901

Sweetspot

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



23.9460, 12.3307, 1.7798



66.1374, 56.8511, 54.0173



29.2489, 13.8748, 55.7797



13.5013, 11.1998, 10.2926



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.



23.9460, 12.3307, 1.7798



41.4204, 21.3321, 2.8798



26.6900, 18.0204, 2.0728



10.6762, 10.6539, 11.2780



15.2409, 7.8459, 1.2127



0.7366, 0.3775, 0.1364

Inverse Universe

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



23.9460, 12.3307, 1.7798



41.4204, 21.3321, 2.8798



17.1442, 17.6073, 57.1381



10.6762, 10.6539, 11.2780



15.2409, 7.8459, 1.2127



0.7366, 0.3775, 0.1364

Previews

White Background



This preview shows how the XYZ color 23.9457, 12.3299, 1.7796 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 23.9457, 12.3299, 1.7796

Background



This preview shows how black text looks on a background with the XYZ color 23.9457, 12.3299, 1.7796.



This preview shows how white text looks on a background with the XYZ color 23.9457, 12.3299,

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

23.9457, 12.3299, 1.7796

Protanopia

11.8136, 12.9580, 3.7122

Deuteranopia

12.9353, 12.8778, 1.8039



Tritanopia

23.7695, 12.5747, 1.1744

Trichromacy



Original Color

23.9457, 12.3299, 1.7796

Protanomaly

13.7578, 9.7855, 2.4600

Deuteranomaly

15.0335, 10.2229, 1.3819

Tritanomaly

23.7112, 12.3968, 1.3441

Monochromacy



Original Color

23.9457, 12.3299, 1.7796

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.9207, 5.1010, 3.2565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9457, 12.3299, 1.7796 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(200, 0, 20)` looks like.

```
.text, #text, p{  
    color:rgb(200, 0, 20)  
}
```

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(200, 0, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 0, 20) }
```

Border

The CSS property to change the border of an element to XYZ 23.9457, 12.3299, 1.7796 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(200, 0, 20) }
```


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

```
.border{ border-color:rgb(200, 0, 20) }
```

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

Here you see how a box with a 4 pixel rgb(200, 0, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 0, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 0, 20);  
box-shadow:4px 4px 4px 4px rgb(200, 0, 20)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.9457, 12.3299, 1.7796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 0, 20) }
```

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

```
.background{ background-color: rgb(200, 0,  
20) }
```

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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