

Converting Colors

XYZ(23.1784, 11.9269, 2.0785)

Have a look what the booklet for
XYZ(23.1784, 11.9269, 2.0785)
contains.

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Color

**XYZ(23.2124, 11.9449,
2.0594)**

Conversions

Conversions Part 1

Format	Color
Hex	C5001A
RGB	197, 0, 26
RGB Percent	77%, 0%, 10%
CMY	0.2275, 0.9998, 0.8980
CMYK	0.00, 1.00, 0.87, 0.23
HSL	352°, 100%, 39%
HSV	352°, 100%, 77%
XYZ	23.2124, 11.9449, 2.0594
YIQ	61.8670, 109.0660, 49.8500

Conversions

Conversions Part 2

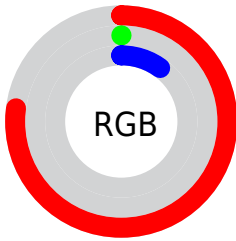
Format	Color
RYB	197, 0, 26
Decimal	12910618
CIELab	41.13, 66.29, 45.21
CIElCh	41, 80.240, 34.294
Yxy	11.9449, 0.6237, 0.3210
Android (android.graphics.Color)	4291100698 (0xFFC5001A)
YUV	61.8670, -17.6824, 118.5116
Hunter-Lab	34.5614, 59.4032, 20.6601

Details

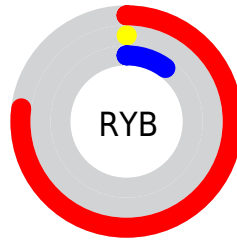
The XYZ color **23.2124, 11.9449, 2.0594** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **27.3211, 42.8742, 45.3835**, and the grayscale version is **4.5763, 4.8146, 5.2432**.

A 20% lighter version of the original color is **45.5800, 28.0685, 9.1463**, and **9.6729, 4.9865, 0.4527** is the 20% darker color. If you saturate the color by 10%, you get **23.2118, 11.9446, 2.0574**, and if you desaturate by 10%, it is **23.7093, 12.5366, 3.4656**.

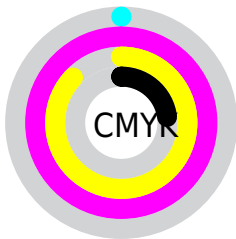
Distribution



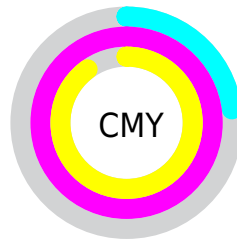
- Red (77%)
- Green (0%)
- Blue (10%)



- Red (77%)
- Yellow (0%)
- Blue (10%)



- Cyan (0%)
- Magenta (100%)
- Yellow (87%)
- Black (23%)





- Cyan (23%)
- Magenta (100%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2124, 11.9449, 2.0594 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 23.2124, 11.9449, 2.0594 by changing the saturation by 10% instead.


 23.2124, 11.9449,
2.0594


 23.2124, 11.9449,
2.0594


261.3291,
204.0402, 123.2924


 14.8720, 6.7062,
0.5914


 48.2059, 29.3947,
9.2026

 8.8153, 3.2790,
0.0000


 65.5898, 42.3746,
15.7609


 4.6771, 1.2791,
0.0000

 86.7188, 58.7036,
24.8683

 2.0918, 0.1249,
0.0000

 111.9584, 78.7662,
36.9435


 0.6848, 0.0000,
0.0000


 141.6738,
102.9468, 52.4050


 0.0000, 0.0000,
0.0000


 176.2305,


131.6297, 71.6713


 215.9938,
165.1994, 95.1609


 23.2124, 11.9449,
2.0594


 23.2124, 11.9449,
2.0594


 23.2118, 11.9446,
2.0574

 23.7093, 12.5366,
3.4656

 24.5869, 13.6787,
5.6480

 25.9475, 15.5528,
8.7131

 27.8492, 18.2547,
12.7429

 30.3419, 21.8660,
17.8099

■ 33.4697, 26.4585,
23.9797

■ 37.2724, 32.0966,
31.3124

■ 41.7866, 38.8393,
39.8635

■ 47.0462, 46.7412,
49.6853

Harmonies

Analogous

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



26.4065, 11.9449, 10.7684



23.2124, 11.9449, 2.0594



16.8798, 11.9449, 0.0000

Triad

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



23.2124, 11.9449, 2.0594



4.0019, 11.9449, 3.5167



12.2047, 11.9449, 77.4231

Complementary

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



23.2124, 11.9449, 2.0594



27.3211, 42.8742, 45.3835

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.



7.1876, 11.9449, 67.8111



23.2124, 11.9449, 2.0594



3.4926, 11.9449, 15.5339

Square

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



23.2124, 11.9449, 2.0594



6.1778, 11.9449, 0.3230



4.4310, 11.9449, 40.3930



18.8250, 11.9449, 60.9042

Rectangle

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



23.2124, 11.9449, 2.0594



12.4929, 11.9449, 0.0000



4.4310, 11.9449, 40.3930



10.2851, 11.9449, 77.1990

Sweetspot

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



23.2127, 11.9457, 2.0596



66.4001, 56.9562, 55.4010



26.8160, 12.6606, 53.8533



13.5612, 11.2237, 10.6083



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.



23.2127, 11.9457, 2.0596



41.5231, 21.3733, 3.4209



25.3601, 16.5385, 1.8568



10.6898, 10.6593, 11.3500



15.2854, 7.8637, 1.4467



0.7429, 0.3800, 0.1693

Inverse Universe

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



23.2127, 11.9457, 2.0596



41.5231, 21.3733, 3.4209



17.3844, 18.6433, 55.5051



10.6898, 10.6593, 11.3500



15.2854, 7.8637, 1.4467



0.7429, 0.3800, 0.1693

Previews

White Background



This preview shows how the XYZ color 23.2124, 11.9449, 2.0594 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 23.2124, 11.9449, 2.0594

Background



This preview shows how black text looks on a background with the XYZ color 23.2124, 11.9449, 2.0594.



This preview shows how white text looks on a background with the XYZ color 23.2124, 11.9449,

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

23.2124, 11.9449, 2.0594

Protanopia

11.5673, 12.6757, 4.2199

Deuteranopia

12.6069, 12.4410, 1.7369



Tritanopia

22.9813, 12.1684, 1.1375

Trichromacy



Original Color

23.2124, 11.9449, 2.0594

Protanomaly

13.3227, 9.5511, 2.8916

Deuteranomaly

14.6141, 9.9268, 1.4043

Tritanomaly

22.9339, 11.9948, 1.3649

Monochromacy



Original Color

23.2124, 11.9449, 2.0594

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.8354, 5.0523, 3.4679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2124, 11.9449, 2.0594 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(197, 0, 26)` looks like.

```
.text, #text, p{  
    color:rgb(197, 0, 26)  
}
```

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(197, 0, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 0, 26) }
```

Border

The CSS property to change the border of an element to XYZ 23.2124, 11.9449, 2.0594 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(197, 0, 26) }
```


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

```
.border{ border-color:rgb(197, 0, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 0, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 0, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 0, 26);  
box-shadow:4px 4px 4px 4px rgb(197, 0, 26)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.2124, 11.9449, 2.0594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 0, 26) }
```

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

```
.background{ background-color: rgb(197, 0,  
26) }
```

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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