

Converting Colors

XYZ(21.1020, 6.9356, 0.0000)

Have a look what the booklet for
XYZ(21.1020, 6.9356, 0.0000)
contains.

XYZ(23.8194, 12.2794, 1.1147)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**XYZ(23.8194, 12.2794,
1.1147)**

Conversions

Conversions Part 1

Format	Color
Hex	C80000
RGB	200, 0, 0
RGB Percent	78%, 0%, 0%
CMY	0.2157, 0.9998, 1.0000
CMYK	0.00, 1.00, 1.00, 0.22
HSL	0°, 100%, 39%
HSV	0°, 100%, 78%
XYZ	23.8194, 12.2794, 1.1147
YIQ	59.8000, 119.2000, 42.4000

Conversions

Conversions Part 2

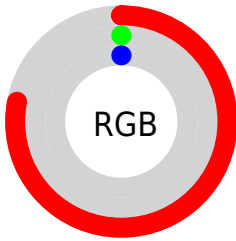
Format	Color
RYB	200, 0, 0
Decimal	13107200
CIELab	41.66, 66.71, 55.98
CIElCh	42, 87.090, 40.001
Yxy	12.2794, 0.6401, 0.3300
Android (android.graphics.Color)	4291297280 (0xFFC80000)
YUV	59.8000, -29.4814, 122.9554
Hunter-Lab	35.0420, 60.0100, 22.6433

Details

The XYZ color **23.8194, 12.2794, 1.1147** 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 **31.0691, 45.4578, 61.7797**, and the grayscale version is **4.2985, 4.5224, 4.9249**.

A 20% lighter version of the original color is **45.0302, 27.8486, 6.2508**, and **9.9917, 5.1509, 0.4676** is the 20% darker color. If you saturate the color by 10%, you get **23.8197, 12.2802, 1.1149**, and if you desaturate by 10%, it is **24.1963, 12.8315, 1.8632**.

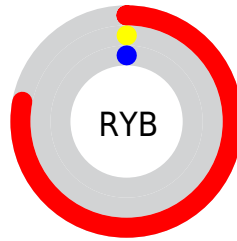
Distribution



Red (78%)

Green (0%)

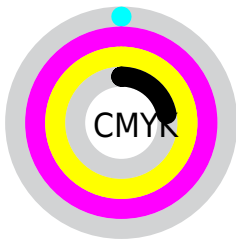
Blue (0%)



Red (78%)

Yellow (0%)

Blue (0%)

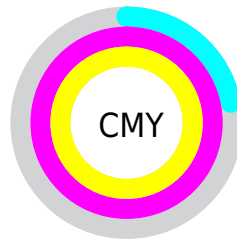


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (100%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8194, 12.2794, 1.1147 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 23.8194, 12.2794, 1.1147 by changing the saturation by 10% instead.


 23.8194, 12.2794,
1.1147


 23.8194, 12.2794,
1.1147


 264.3636,
206.2463, 106.6119


 15.3237, 6.9343,
0.0000


 49.1921, 30.0030,
6.4365


 9.1347, 3.4210,
0.0000


 66.7999, 43.1502,
11.7251

 4.8869, 1.3553,
0.0000

 88.1758, 59.6669,
19.3235

 2.2152, 0.1834,
0.0000

 113.6851, 79.9374,
29.6503


 0.7507, 0.0000,
0.0000


 143.6931,
104.3463, 43.1240


 0.0000, 0.0000,
0.0000


 178.5653,


133.2778, 60.1631


 218.6670,
167.1163, 81.1863


 23.8194, 12.2794,
1.1147


 23.8194, 12.2794,
1.1147

 23.8197, 12.2802,
1.1149

 24.1963, 12.8315,
1.8632

 24.9622, 13.9524,
3.3849

 26.2522, 15.8404,
5.9488

 28.1377, 18.5996,
9.6964

 30.6787, 22.3178,
14.7473

■ 33.9278, 27.0724,
21.2064

■ 37.9327, 32.9325,
29.1680

■ 42.7365, 39.9617,
38.7183

■ 48.3793, 48.2185,
49.9368

Harmonies

Analogous

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



28.4045, 12.2794, 8.1491



23.8194, 12.2794, 1.1147



16.3907, 12.2794, 0.0000

Triad

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



23.8194, 12.2794, 1.1147



3.5213, 12.2794, 4.5932



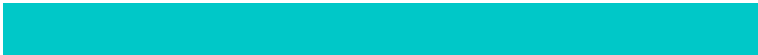
13.9343, 12.2794, 86.4204

Complementary

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



23.8194, 12.2794, 1.1147



31.0691, 45.4578, 61.7797

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.



7.9576, 12.2794, 81.0359



23.8194, 12.2794, 1.1147



3.2781, 12.2794, 20.4480

Square

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



23.8194, 12.2794, 1.1147



5.4274, 12.2794, 0.3571



4.5694, 12.2794, 51.0661



21.4683, 12.2794, 62.3957

Rectangle

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



23.8194, 12.2794, 1.1147



11.6711, 12.2794, 0.0000



4.5694, 12.2794, 51.0661



11.6713, 12.2794, 88.2864

Sweetspot

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



23.8197, 12.2802, 1.1149



65.3496, 56.5414, 49.8524



34.2444, 16.4493, 56.0132



13.3228, 11.1296, 9.3491



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.



23.8197, 12.2802, 1.1149



41.2406, 21.2612, 1.9302



28.3763, 21.3935, 2.6338



10.6341, 10.6373, 11.0555



15.1456, 7.8084, 0.7089



0.7172, 0.3699, 0.0336

Inverse Universe

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



31.0691, 45.4578, 61.7797



53.7920, 78.7040, 106.9640



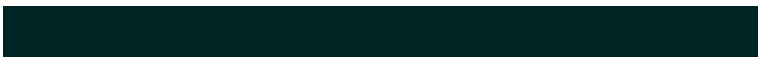
14.9824, 13.2843, 56.4175



10.9466, 12.0672, 13.6697



19.7551, 28.9042, 39.2822



0.9355, 1.3687, 1.8600

Previews

White Background



This preview shows how the XYZ color 23.8194, 12.2794, 1.1147 looks on a white background.

Color Contrast Check

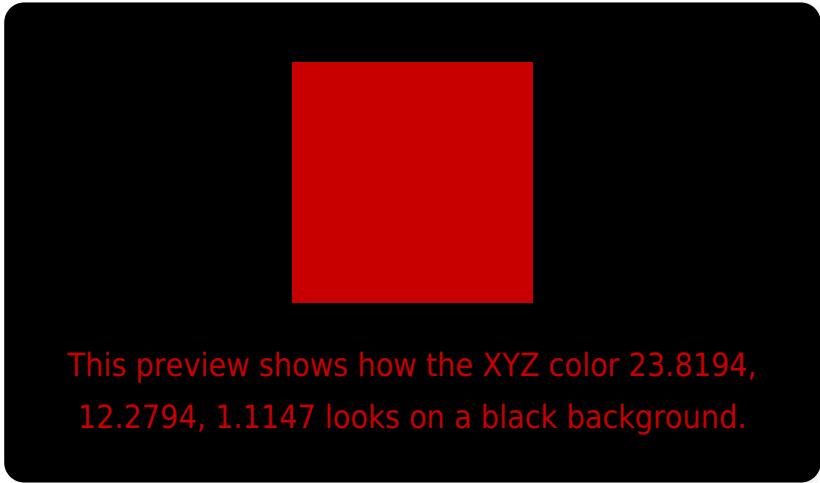
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8194, 12.2794, 1.1147

Background



This preview shows how black text looks on a background with the XYZ color 23.8194, 12.2794, 1.1147.



This preview shows how white text looks on a background with the XYZ color 23.8194, 12.2794,

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

23.8194, 12.2794, 1.1147

Protanopia

11.6502, 12.8927, 2.8518

Deuteranopia

12.9353, 12.8778, 1.8039

Trichromacy



Original Color

23.8194, 12.2794, 1.1147

Protanomaly

13.6116, 9.7270, 1.6904

Deuteranomaly

14.9952, 10.2075, 1.1799

Monochromacy



Original Color

23.8194, 12.2794, 1.1147

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

7.5985, 4.9057, 2.3801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8194, 12.2794, 1.1147 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, 0)` looks like.

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

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, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 23.8194, 12.2794, 1.1147 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, 0) }
```

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

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

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, 0) colored shadow looks like.

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


Background

The CSS property to change the background color of an element to XYZ 23.8194, 12.2794, 1.1147 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, 0) }
```

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

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

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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