

Converting Colors

XYZ(22.1998, 10.1677, 1.4685)

Have a look what the booklet for
XYZ(22.1998, 10.1677, 1.4685)
contains.

XYZ(23.1522, 11.9208, 1.7425)	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>	31

Color

**XYZ(23.1522, 11.9208,
1.7425)**

Conversions

Conversions Part 1

Format	Color
Hex	C50014
RGB	197, 0, 20
RGB Percent	77%, 0%, 8%
CMY	0.2275, 0.9998, 0.9216
CMYK	0.00, 1.00, 0.90, 0.23
HSL	354°, 100%, 39%
HSV	354°, 100%, 77%
XYZ	23.1522, 11.9208, 1.7425
YIQ	61.1830, 110.9920, 47.9840

Conversions

Conversions Part 2

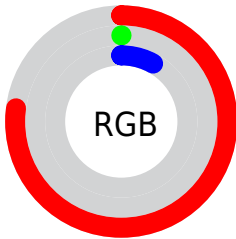
Format	Color
RYB	197, 0, 20
Decimal	12910612
CIELab	41.09, 66.19, 48.03
CIELCh	41, 81.777, 35.968
Yxy	11.9208, 0.6289, 0.3238
Android (android.graphics.Color)	4291100692 (0xFFC50014)
YUV	61.1830, -20.3032, 119.1115
Hunter-Lab	34.5265, 59.2741, 21.1763

Details

The XYZ color **23.1522, 11.9208, 1.7425** 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 **27.9062, 43.1082, 48.4647**, and the grayscale version is **4.4815, 4.7148, 5.1345**.

A 20% lighter version of the original color is **45.3937, 27.9940, 8.1651**, and **9.6729, 4.9865, 0.4527** is the 20% darker color. If you saturate the color by 10%, you get **23.1517, 11.9206, 1.7409**, and if you desaturate by 10%, it is **23.6164, 12.4994, 2.9767**.

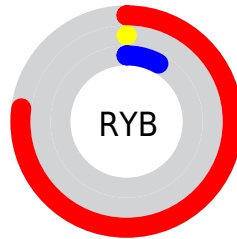
Distribution



Red (77%)

Green (0%)

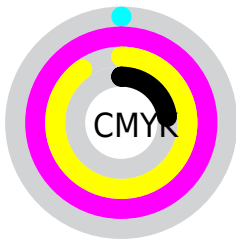
Blue (8%)



Red (77%)

Yellow (0%)

Blue (8%)

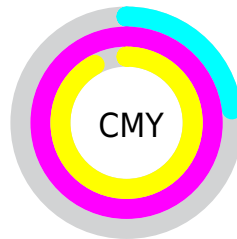


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (23%)



Cyan (23%)


Magenta (100%)


Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1522, 11.9208, 1.7425 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 23.1522, 11.9208, 1.7425 by changing the saturation by 10% instead.


 23.1522, 11.9208,
1.7425


 23.1522, 11.9208,
1.7425


261.0265,
203.8803, 118.2408


 14.8272, 6.6898,
0.3896


 48.1079, 29.3508,
8.3241

 8.7838, 3.2689,
0.0000


 65.4694, 42.3185,
14.4964


 4.6564, 1.2737,
0.0000

 86.5738, 58.6339,
23.1479

 2.0798, 0.1207,
0.0000

 111.7864, 78.6815,
34.6970


 0.6782, 0.0000,
0.0000


 141.4727,
102.8454, 49.5623


 0.0000, 0.0000,
0.0000


 175.9979,


131.5103, 68.1624


 215.7274,
165.0605, 90.9157


 23.1522, 11.9208,
1.7425


 23.1522, 11.9208,
1.7425


 23.1517, 11.9206,
1.7409

 23.6164, 12.4994,
2.9767

 24.4652, 13.6300,
5.0072

 25.8031, 15.4949,
7.9534

 27.6904, 18.1911,
11.9073

 30.1784, 21.8005,
16.9495

■ 33.3125, 26.3954,
23.1525

■ 37.1337, 32.0408,
30.5825

■ 41.6795, 38.7962,
39.3007

■ 46.9850, 46.7164,
49.3643

Harmonies

Analogous

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



26.6877, 11.9208, 9.8983



23.1522, 11.9208, 1.7425



16.5813, 11.9208, 0.0000

Triad

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



23.1522, 11.9208, 1.7425



3.8280, 11.9208, 3.7598



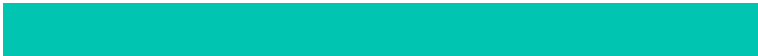
12.5459, 11.9208, 79.0654

Complementary

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



23.1522, 11.9208, 1.7425



27.9062, 43.1082, 48.4647

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.



7.3246, 11.9208, 70.6171



23.1522, 11.9208, 1.7425



3.3998, 11.9208, 16.6423

Square

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



23.1522, 11.9208, 1.7425



5.9065, 11.9208, 0.3257



4.4265, 11.9208, 42.7603



19.3441, 11.9208, 60.7148

Rectangle

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



23.1522, 11.9208, 1.7425



12.1433, 11.9208, 0.0000



4.4265, 11.9208, 42.7603



10.5545, 11.9208, 79.3835

Sweetspot

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



23.1525, 11.9216, 1.7427



66.1499, 56.8561, 54.0834



27.5385, 13.0331, 53.8871



13.5042, 11.2009, 10.3076



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.



23.1525, 11.9216, 1.7427



41.4247, 21.3339, 2.9027



25.5789, 16.9761, 1.9297



10.6768, 10.6541, 11.2814



15.2429, 7.8467, 1.2228



0.7369, 0.3776, 0.1379

Inverse Universe

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



23.1525, 11.9216, 1.7427



41.4247, 21.3339, 2.9027



16.9765, 17.8275, 55.3692



10.6768, 10.6541, 11.2814



15.2429, 7.8467, 1.2228



0.7369, 0.3776, 0.1379

Previews

White Background



This preview shows how the XYZ color 23.1522, 11.9208, 1.7425 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



This preview shows how the XYZ color 23.1522, 11.9208, 1.7425 looks on a 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 23.1522, 11.9208, 1.7425

Background



This preview shows how black text looks on a background with the XYZ color 23.1522, 11.9208, 1.7425.



This preview shows how white text looks on a background with the XYZ color 23.1522, 11.9208,

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

23.1522, 11.9208, 1.7425

Protanopia

11.4466, 12.6274, 3.5843

Deuteranopia

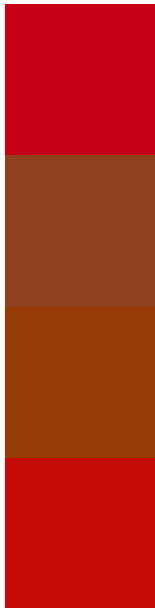
12.4602, 12.3654, 1.7300



Tritanopia

22.9813, 12.1684, 1.1375

Trichromacy



Original Color

23.1522, 11.9208, 1.7425

Protanomaly

13.2360, 9.5165, 2.4356

Deuteranomaly

14.4167, 9.8264, 1.3378

Tritanomaly

22.9230, 11.9904, 1.3072

Monochromacy



Original Color

23.1522, 11.9208, 1.7425

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.6491, 4.9633, 3.1396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1522, 11.9208, 1.7425 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, 20)` looks like.

```
.text, #text, p{  
    color:rgb(197, 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(197, 0, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 0, 20) }
```

Border

The CSS property to change the border of an element to XYZ 23.1522, 11.9208, 1.7425 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, 20) }
```


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

```
.border{ border-color:rgb(197, 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(197, 0, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 0, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 0, 20);  
box-shadow:4px 4px 4px 4px rgb(197, 0, 20)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.1522, 11.9208, 1.7425 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, 20) }
```

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

```
.background{ background-color: rgb(197, 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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor