

Converting Colors

XYZ(23.1331, 11.8935, 2.5281)

Have a look what the booklet for
XYZ(23.1331, 11.8935, 2.5281)
contains.

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Color

**XYZ(23.0395, 11.8456,
2.5110)**

Conversions

Conversions Part 1

Format	Color
Hex	C40021
RGB	196, 0, 33
RGB Percent	77%, 0%, 13%
CMY	0.2314, 0.9998, 0.8706
CMYK	0.00, 1.00, 0.83, 0.23
HSL	350°, 100%, 38%
HSV	350°, 100%, 77%
XYZ	23.0395, 11.8456, 2.5110
YIQ	62.3660, 106.2230, 51.8150

Conversions

Conversions Part 2

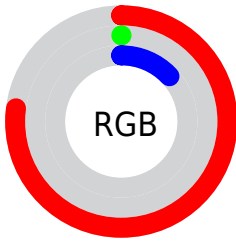
Format	Color
R_{YB}	196, 0, 33
Decimal	12845089
CIE _{Lab}	40.97, 66.20, 41.30
CIE _{LCh}	41, 78.022, 31.957
Yxy	11.8456, 0.6161, 0.3168
Android (android.graphics.Color)	4291035169 (0xFFC40021)
YUV	62.3660, -14.4774, 117.1970
Hunter-Lab	34.4174, 59.2598, 19.7666

Details

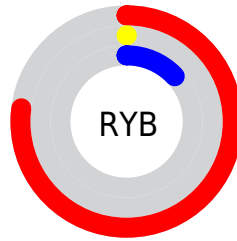
The XYZ color **23.0395, 11.8456, 2.5110** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **26.3546, 42.1256, 41.4104**, and the grayscale version is **4.6446, 4.8864, 5.3213**.

A 20% lighter version of the original color is **45.7855, 28.1507, 10.2282**, and **9.6729, 4.9865, 0.4527** is the 20% darker color. If you saturate the color by 10%, you get **23.0389, 11.8453, 2.5086**, and if you desaturate by 10%, it is **23.5695, 12.4477, 4.0999**.

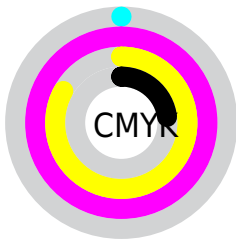
Distribution



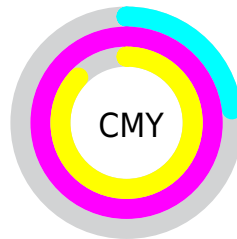
- Red (77%)
- Green (0%)
- Blue (13%)



- Red (77%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (23%)





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0395, 11.8456, 2.5110 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 23.0395, 11.8456, 2.5110 by changing the saturation by 10% instead.


 23.0395, 11.8456,
2.5110


 23.0395, 11.8456,
2.5110


260.4594,
203.3804, 129.8657


 14.7435, 6.6386,
0.8460


 47.9244, 29.2136,
10.3959


 8.7247, 3.2371,
0.0000


 65.2440, 42.1434,
17.4576

 4.6177, 1.2568,
0.0000

 86.3021, 58.4163,
27.1569

 2.0572, 0.1073,
0.0000

 111.4643, 78.4166,
39.9123


 0.6658, 0.0000,
0.0000


 141.0957,
102.5288, 56.1423


 0.0000, 0.0000,
0.0000


 175.5618,


131.1372, 76.2655


 215.2279,
164.6263, 100.7004


 23.0395, 11.8456,
2.5110


 23.0395, 11.8456,
2.5110


 23.0389, 11.8453,
2.5086

 23.5695, 12.4477,
4.0999

 24.4700, 13.5912,
6.4274

 25.8401, 15.4550,
9.5860

 27.7352, 18.1330,
13.6464

 30.2030, 21.7052,
18.6719

■ 33.2854, 26.2416,
24.7196

■ 37.0207, 31.8056,
31.8423

■ 41.4437, 38.4550,
40.0891

■ 46.5871, 46.2432,
49.5061

Harmonies

Analogous

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



25.7509, 11.8456, 11.8764



23.0395, 11.8456, 2.5110



17.0955, 11.8456, 0.1241

Triad

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



23.0395, 11.8456, 2.5110



4.1949, 11.8456, 3.1725



11.6294, 11.8456, 74.4537

Complementary

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



23.0395, 11.8456, 2.5110



26.3546, 42.1256, 41.4104

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.



6.9296, 11.8456, 63.4869



23.0395, 11.8456, 2.5110



3.5786, 11.8456, 13.9762

Square

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



23.0395, 11.8456, 2.5110



6.4804, 11.8456, 0.3104



4.3875, 11.8456, 36.9634



17.9479, 11.8456, 60.4978

Rectangle

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



23.0395, 11.8456, 2.5110



12.8282, 11.8456, 0.0000



4.3875, 11.8456, 36.9634



9.8231, 11.8456, 73.5422

Sweetspot

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



23.0398, 11.8464, 2.5112



66.7045, 57.0779, 57.0040



24.4761, 11.4675, 53.1476



13.6309, 11.2516, 10.9753



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.



23.0398, 11.8464, 2.5112



41.6741, 21.4336, 4.2157



24.4927, 15.1912, 1.6424



10.1408, 10.1049, 10.8319



14.8256, 7.6200, 1.7276



0.6626, 0.3380, 0.1904

Inverse Universe

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



23.0398, 11.8464, 2.5112



41.6741, 21.4336, 4.2157



18.4818, 21.0209, 55.3075



10.1408, 10.1049, 10.8319



14.8256, 7.6200, 1.7276



0.6626, 0.3380, 0.1904

Previews

White Background



This preview shows how the XYZ color 23.0395, 11.8456, 2.5110 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 23.0395, 11.8456, 2.5110

Background



This preview shows how black text looks on a background with the XYZ color 23.0395, 11.8456, 2.5110.



This preview shows how white text looks on a background with the XYZ color 23.0395, 11.8456,

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

23.0395, 11.8456, 2.5110

Protanopia

11.4111, 12.4319, 5.1663

Deuteranopia

12.5265, 12.3919, 2.0795



Tritanopia

22.7220, 12.0347, 1.1254

Trichromacy



Original Color

23.0395, 11.8456, 2.5110

Protanomaly

13.2552, 9.4150, 3.7034

Deuteranomaly

14.5046, 9.8615, 1.8008

Tritanomaly

22.6917, 11.8680, 1.4426

Monochromacy



Original Color

23.0395, 11.8456, 2.5110

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.8786, 5.0696, 3.6952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0395, 11.8456, 2.5110 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(196, 0, 33)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 33)  
}
```

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(196, 0, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 33) }
```

Border

The CSS property to change the border of an element to XYZ 23.0395, 11.8456, 2.5110 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(196, 0, 33) }
```


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

```
.border{ border-color:rgb(196, 0, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 0, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 0, 33);  
box-shadow:4px 4px 4px 4px rgb(196, 0, 33)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.0395, 11.8456, 2.5110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 0, 33) }
```

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

```
.background{ background-color: rgb(196, 0,  
33) }
```

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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