

Converting Colors

XYZ(23.2551, 12.5000, 1.1911)

Have a look what the booklet for
XYZ(23.2551, 12.5000, 1.1911)
contains.

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Color

**XYZ(23.3736, 12.5656,
1.1935)**

Conversions

Conversions Part 1

Format	Color
Hex	C51900
RGB	197, 25, 0
RGB Percent	77%, 10%, 0%
CMY	0.2275, 0.9019, 1.0000
CMYK	0.00, 0.87, 1.00, 0.23
HSL	8°, 100%, 39%
HSV	8°, 100%, 77%
XYZ	23.3736, 12.5656, 1.1935
YIQ	73.5780, 110.5370, 28.6890

Conversions

Conversions Part 2

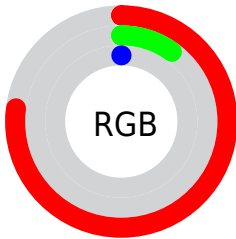
Format	Color
R _Y B	197, 29, 0
Decimal	12916992
CIE Lab	42.10, 62.82, 55.75
CIE LCh	42, 83.988, 41.587
Yxy	12.5656, 0.6295, 0.3384
Android (android.graphics.Color)	4291107072 (0xFFC51900)
YUV	73.5780, -36.2740, 108.2411
Hunter-Lab	35.4480, 55.6649, 22.8174

Details

The XYZ color **23.3736, 12.5656, 1.1935** 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 **24.8266, 33.5285, 57.9860**, and the grayscale version is **6.4845, 6.8222, 7.4294**.

A 20% lighter version of the original color is **45.6237, 28.9992, 6.5609**, and **9.6729, 4.9865, 0.4527** is the 20% darker color. If you saturate the color by 10%, you get **23.3738, 12.5663, 1.1936**, and if you desaturate by 10%, it is **23.9852, 13.5912, 2.0072**.

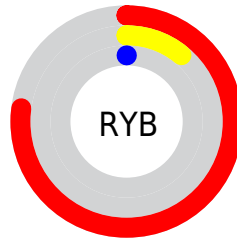
Distribution



Red (77%)

Green (10%)

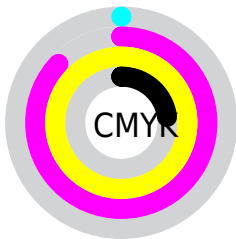
Blue (0%)



Red (77%)

Yellow (11%)

Blue (0%)

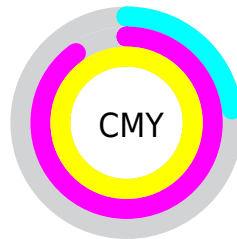


Cyan (0%)

Magenta (87%)

Yellow (100%)

Black (23%)



Cyan (23%)


Magenta (90%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3736, 12.5656, 1.1935 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 23.3736, 12.5656, 1.1935 by changing the saturation by 10% instead.


 23.3736, 12.5656,
1.1935


 23.3736, 12.5656,
1.1935


 262.1378,
208.1146, 108.2307


 14.9918, 7.1301,
0.0000


 48.4682, 30.5211,
6.6876


 8.8999, 3.5436,
0.0000


 65.9118, 43.8099,
12.0987


 4.7326, 1.4217,
0.0000

 87.1066, 60.4853,
19.8439

 2.1243, 0.2326,
0.0000

 112.4181, 80.9317,
30.3418


 0.7024, 0.0000,
0.0000


 142.2116,
105.5334, 44.0109


 0.0000, 0.0000,
0.0000


 176.8525,


134.6748, 61.2697


 216.7061,
168.7404, 82.5368


 23.3736, 12.5656,
1.1935


 23.3736, 12.5656,
1.1935


 23.3738, 12.5663,
1.1936

 23.9852, 13.5912,
2.0072

 24.9842, 15.1904,
3.5698

 26.4449, 17.4411,
6.1242

 28.4159, 20.4041,
9.8000

 30.9398, 24.1329,
14.7072

■ 34.0542, 28.6760,
20.9425

■ 37.7938, 34.0778,
28.5930

■ 42.1902, 40.3795,
37.7384

■ 47.2731, 47.6196,
48.4525

Harmonies

Analogous

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



28.0052, 12.5656, 7.8685



23.3736, 12.5656, 1.1935



16.1550, 12.5656, 0.0000

Triad

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



23.3736, 12.5656, 1.1935



3.7853, 12.5656, 5.4363



14.5229, 12.5656, 82.6629

Complementary

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



23.3736, 12.5656, 1.1935



24.8266, 33.5285, 57.9860

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.



8.5356, 12.5656, 79.1943



23.3736, 12.5656, 1.1935



3.6157, 12.5656, 21.8229

Square

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



23.3736, 12.5656, 1.1935



5.6112, 12.5656, 0.6830



5.0217, 12.5656, 51.5930



21.8260, 12.5656, 58.9364

Rectangle

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



23.3736, 12.5656, 1.1935



11.6136, 12.5656, 0.0000



5.0217, 12.5656, 51.5930



12.2790, 12.5656, 84.9665

Sweetspot

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



23.3739, 12.5664, 1.1937



67.3556, 60.5532, 50.5211



30.6673, 14.9269, 41.3175



13.7779, 12.0398, 9.5008



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.



23.3739, 12.5664, 1.1937



41.7670, 22.3139, 2.1057



29.9221, 25.6628, 3.3764



10.7406, 10.8504, 11.0910



15.4084, 8.3340, 0.7965



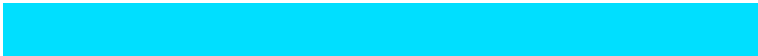
0.7663, 0.4681, 0.0500

Inverse Universe

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



24.8266, 33.5285, 57.9860



44.3346, 59.7893, 103.8115



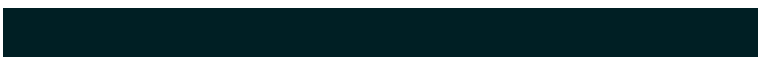
12.6293, 9.1338, 53.9202



10.8274, 11.8288, 13.6300



16.3723, 22.1385, 38.1546



0.8082, 1.1142, 1.8176

Previews

White Background



This preview shows how the XYZ color 23.3736, 12.5656, 1.1935 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 23.3736, 12.5656, 1.1935

Background



This preview shows how black text looks on a background with the XYZ color 23.3736, 12.5656, 1.1935.



This preview shows how white text looks on a background with the XYZ color 23.3736, 12.5656,

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

23.3736, 12.5656, 1.1935

Protanopia

11.6392, 12.8883, 2.7939

Deuteranopia

12.9353, 12.8778, 1.8039



Tritanopia

23.4701, 12.5706, 1.8054

Trichromacy



Original Color

23.3736, 12.5656, 1.1935

Protanomaly

13.9777, 10.7318, 1.8250

Deuteranomaly

15.1391, 11.0557, 1.3361

Tritanomaly

23.4190, 12.5501, 1.5359

Monochromacy



Original Color

23.3736, 12.5656, 1.1935

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

9.5350, 6.9555, 3.5293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3736, 12.5656, 1.1935 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, 25, 0)` looks like.

```
.text, #text, p{  
    color:rgb(197, 25, 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(197, 25, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 25, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.3736, 12.5656, 1.1935 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, 25, 0) }
```


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

```
.border{ border-color:rgb(197, 25, 0) }
```

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

Here you see how a box with a 4 pixel rgb(197, 25, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 25, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 25, 0);  
box-shadow:4px 4px 4px 4px rgb(197, 25, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.3736, 12.5656, 1.1935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 25, 0) }
```

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

```
.background{ background-color: rgb(197, 25,  
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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