

Converting Colors

XYZ(23.9060, 12.2224, 5.7108)

Have a look what the booklet for
XYZ(23.9060, 12.2224, 5.7108)
contains.

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Color

**XYZ(23.8955, 12.2181,
5.6563)**

Conversions

Conversions Part 1

Format	Color
Hex	C5003E
RGB	197, 0, 62
RGB Percent	77%, 0%, 24%
CMY	0.2275, 0.9999, 0.7569
CMYK	0.00, 1.00, 0.69, 0.23
HSL	341°, 100%, 39%
HSV	341°, 100%, 77%
XYZ	23.8955, 12.2181, 5.6563
YIQ	65.9710, 97.5100, 61.0460

Conversions

Conversions Part 2

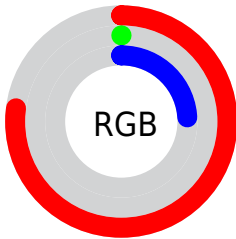
Format	Color
RYB	197, 0, 62
Decimal	12910654
CIELab	41.56, 67.46, 24.62
CIELCh	42, 71.815, 20.047
Yxy	12.2181, 0.5721, 0.2925
Android (android.graphics.Color)	4291100734 (0xFFC5003E)
YUV	65.9710, -1.9577, 114.9124
Hunter-Lab	34.9544, 60.8558, 14.8738

Details

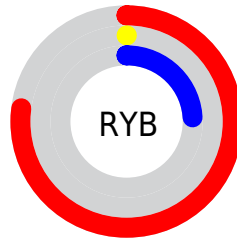
The XYZ color **23.8955, 12.2181, 5.6563** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **24.3423, 41.6829, 29.6975**, and the grayscale version is **5.1692, 5.4384, 5.9225**.

A 20% lighter version of the original color is **47.2488, 28.8611, 17.5485**, and **10.1270, 5.2050, 1.1804** is the 20% darker color. If you saturate the color by 10%, you get **23.8947, 12.2178, 5.6528**, and if you desaturate by 10%, it is **24.5587, 12.8762, 7.9381**.

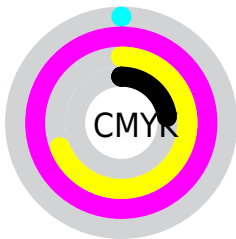
Distribution



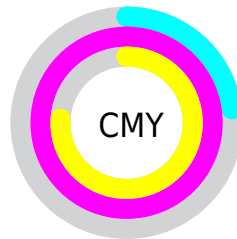
- Red (77%)
- Green (0%)
- Blue (24%)



- Red (77%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (23%)





- Cyan (23%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8955, 12.2181, 5.6563 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 23.8955, 12.2181, 5.6563 by changing the saturation by 10% instead.


 23.8955, 12.2181,
5.6563


 23.8955, 12.2181,
5.6563


264.7420,
205.8439, 165.1614


 15.3804, 6.8924,
2.5719


 49.3155, 29.8917,
17.6784


 9.1749, 3.3949,
0.8779


 66.9512, 43.0084,
27.4532

 4.9134, 1.3412,
0.0000

 88.3578, 59.4909,
40.2951

 2.2308, 0.1728,
0.0000

 113.9007, 79.7235,
56.6228

 0.7589, 0.0000,
0.0000

 143.9452,
104.0908, 76.8547

 0.0000, 0.0000,
0.0000

 178.8567,

132.9770, 101.4094

219.0005,
166.7665, 130.7054

■ 23.8955, 12.2181,
5.6563

■ 23.8955, 12.2181,
5.6563

■ 23.8947, 12.2178,
5.6528

■ 24.5587, 12.8762,
7.9381

■ 25.5692, 14.0715,
10.8207

■ 27.0204, 15.9816,
14.3633

■ 28.9630, 18.6998,
18.6089

■ 31.4405, 22.3049,
23.5961

■ 34.4912, 26.8664,
29.3603

■ 38.1498, 32.4467,
35.9347

■ 42.4483, 39.1030,
43.3503

■ 47.4162, 46.8881,
51.6364

Harmonies

Analogous

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



24.6461, 12.2181, 18.9457



23.8955, 12.2181, 5.6563



19.3669, 12.2181, 1.1746

Triad

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



23.8955, 12.2181, 5.6563



5.4711, 12.2181, 2.0407



9.9557, 12.2181, 66.8399

Complementary

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



23.8955, 12.2181, 5.6563



24.3423, 41.6829, 29.6975

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.



6.2664, 12.2181, 49.9933



23.8955, 12.2181, 5.6563



4.2431, 12.2181, 8.9099

Square

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



23.8955, 12.2181, 5.6563



8.4879, 12.2181, 0.2931



4.4822, 12.2181, 25.8618



15.4239, 12.2181, 63.0560

Rectangle

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



23.8955, 12.2181, 5.6563



15.4053, 12.2181, 0.2903



4.4822, 12.2181, 25.8618



8.5004, 12.2181, 63.1014

Sweetspot

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



23.8958, 12.2189, 5.6565



67.9880, 57.5913, 63.7624



20.0103, 9.1521, 53.5350



13.9274, 11.3702, 12.5366



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.



23.8958, 12.2189, 5.6565



42.6962, 21.8425, 9.5982



23.6614, 13.1410, 1.2904



10.7690, 10.6910, 11.7670



15.7504, 8.0497, 3.8953



0.7789, 0.3944, 0.3587

Inverse Universe

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



23.8958, 12.2189, 5.6565



42.6962, 21.8425, 9.5982



22.8041, 29.4827, 57.3120



10.7690, 10.6910, 11.7670



15.7504, 8.0497, 3.8953



0.7789, 0.3944, 0.3587

Previews

White Background



This preview shows how the XYZ color 23.8955, 12.2181, 5.6563 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

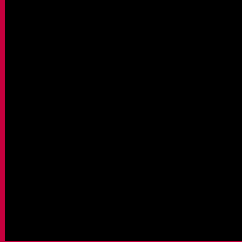
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8955, 12.2181, 5.6563

Background



This preview shows how black text looks on a background with the XYZ color 23.8955, 12.2181, 5.6563.



This preview shows how white text looks on a background with the XYZ color 23.8955, 12.2181,

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

23.8955, 12.2181, 5.6563

Protanopia

12.1979, 12.8301, 11.9588

Deuteranopia

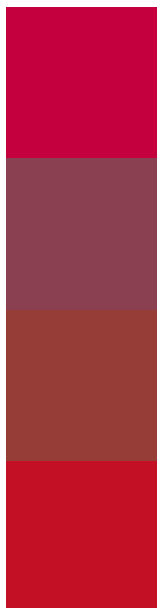
12.9939, 12.8337, 5.1605



Tritanopia

23.2479, 12.4852, 1.8940

Trichromacy



Original Color

23.8955, 12.2181, 5.6563

Protanomaly

13.7998, 9.6641, 8.9226

Deuteranomaly

14.9602, 10.1070, 4.9037

Tritanomaly

23.2687, 12.2337, 2.8040

Monochromacy



Original Color

23.8955, 12.2181, 5.6563

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

8.7215, 5.6150, 5.6252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8955, 12.2181, 5.6563 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, 62)` looks like.

```
.text, #text, p{  
    color:rgb(197, 0, 62)  
}
```

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, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 0, 62) }
```

Border

The CSS property to change the border of an element to XYZ 23.8955, 12.2181, 5.6563 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, 62) }
```


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

```
.border{ border-color:rgb(197, 0, 62) }
```

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, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 0, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 0, 62);  
box-shadow:4px 4px 4px 4px rgb(197, 0, 62)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.8955, 12.2181, 5.6563 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, 62) }
```

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

```
.background{ background-color: rgb(197, 0,  
62) }
```

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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