

Converting Colors

XYZ(23.0688, 11.7168, 9.0126)

Have a look what the booklet for
XYZ(23.0688, 11.7168, 9.0126)
contains.

XYZ(23.0088, 11.6856, 9.0255)	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(23.0088, 11.6856,
9.0255)**

Conversions

Conversions Part 1

Format	Color
Hex	BF0052
RGB	191, 0, 82
RGB Percent	75%, 0%, 32%
CMY	0.2510, 0.9998, 0.6784
CMYK	0.00, 1.00, 0.57, 0.25
HSL	334°, 100%, 37%
HSV	334°, 100%, 75%
XYZ	23.0088, 11.6856, 9.0255
YIQ	66.4570, 87.5140, 65.9940

Conversions

Conversions Part 2

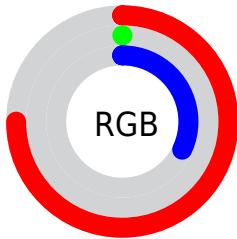
Format	Color
R_{YB}	191, 0, 82
Decimal	12517458
CIE Lab	40.71, 67.17, 10.58
CIE LCh	41, 67.997, 8.948
Yxy	11.6856, 0.5263, 0.2673
Android (android.graphics.Color)	4290707538 (0xFFBF0052)
YUV	66.4570, 7.6627, 109.2242
Hunter-Lab	34.1842, 60.3229, 8.2749

Details

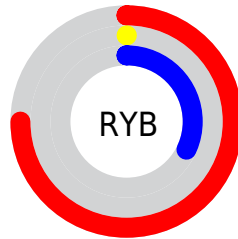
The XYZ color **23.0088, 11.6856, 9.0255** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **21.3935, 38.3665, 20.7566**, and the grayscale version is **5.2317, 5.5042, 5.9941**.

A 20% lighter version of the original color is **47.7751, 28.8620, 24.5256**, and **9.5558, 4.8858, 2.2731** is the 20% darker color. If you saturate the color by 10%, you get **23.0078, 11.6851, 9.0211**, and if you desaturate by 10%, it is **23.6924, 12.3353, 11.4655**.

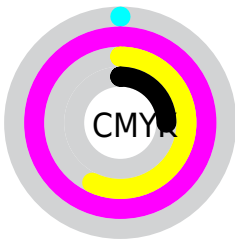
Distribution



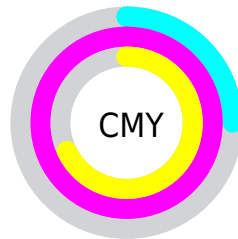
- Red (75%)
- Green (0%)
- Blue (32%)



- Red (75%)
- Yellow (0%)
- Blue (32%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0088, 11.6856, 9.0255 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 23.0088, 11.6856, 9.0255 by changing the saturation by 10% instead.


 23.0088, 11.6856,
9.0255


 23.0088, 11.6856,
9.0255


260.3047,
202.3126, 193.7931


 14.7207, 6.5300,
4.6608


 47.8743, 28.9212,
24.5242


 8.7087, 3.1699,
1.9944


 65.1825, 41.7699,
36.4952

 4.6072, 1.2211,
0.5518

 86.2281, 57.9518,
51.8387

 2.0511, 0.0788,
0.0000

 111.3764, 77.8513,
70.9733

 0.6624, 0.0000,
0.0000

 140.9929,
101.8527, 94.3175

 0.0000, 0.0000,
0.0000

 175.4429,

130.3405, 122.2899

215.0917,
163.6990, 155.3089

■ 23.0088, 11.6856,
9.0255

■ 23.0088, 11.6856,
9.0255

■ 23.0078, 11.6851,
9.0211

■ 23.6924, 12.3353,
11.4655

■ 24.6752, 13.4733,
14.3448

■ 26.0432, 15.2672,
17.7055

■ 27.8411, 17.8021,
21.5753

■ 30.1069, 21.1502,
25.9789

■ 32.8742, 25.3750,
30.9392

■ 36.1734, 30.5337,
36.4772

■ 40.0323, 36.6786,
42.6129

■ 44.4768, 43.8580,
49.3650

Harmonies

Analogous

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



22.1965, 11.6856, 24.8391



23.0088, 11.6856, 9.0255



19.9870, 11.6856, 2.2688

Triad

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



23.0088, 11.6856, 9.0255



6.2399, 11.6856, 1.2317



8.0990, 11.6856, 57.0517

Complementary

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



23.0088, 11.6856, 9.0255



21.3935, 38.3665, 20.7566

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.



5.3454, 11.6856, 37.7669



23.0088, 11.6856, 9.0255



4.5081, 11.6856, 5.3720

Square

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



23.0088, 11.6856, 9.0255



9.7267, 11.6856, 0.2114



4.2364, 11.6856, 17.3149



12.6117, 11.6856, 61.0823

Rectangle

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



23.0088, 11.6856, 9.0255



16.6065, 11.6856, 0.8348



4.2364, 11.6856, 17.3149



6.9791, 11.6856, 51.7024

Sweetspot

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



23.0091, 11.6863, 9.0257



64.4715, 54.1881, 64.8153



15.6191, 6.9662, 49.8112



13.5818, 10.9950, 13.2797



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.0091, 11.6863, 9.0257



41.0914, 20.8819, 15.5453



21.6269, 11.3583, 1.0536



9.6956, 9.6025, 10.7859



15.1593, 7.6949, 6.1323



0.6266, 0.3145, 0.4130

Inverse Universe

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



23.0091, 11.6863, 9.0257



41.0914, 20.8819, 15.5453



25.3783, 35.7096, 54.8448



9.6956, 9.6025, 10.7859



15.1593, 7.6949, 6.1323



0.6266, 0.3145, 0.4130

Previews

White Background



This preview shows how the XYZ color 23.0088, 11.6856, 9.0255 looks on a white background.

Color Contrast Check

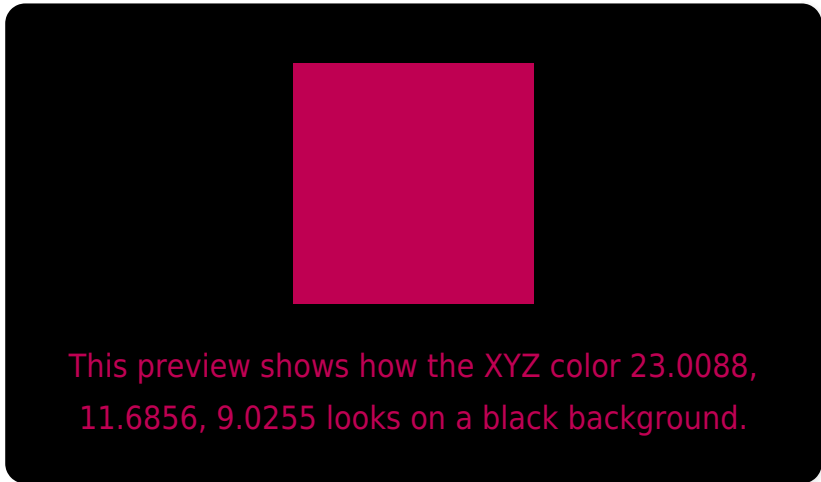
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0088, 11.6856, 9.0255

Background



This preview shows how black text looks on a background with the XYZ color 23.0088, 11.6856, 9.0255.

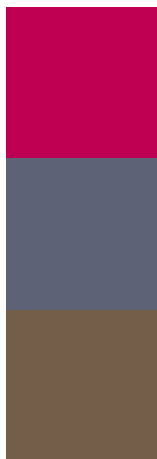


This preview shows how white text looks on a background with the XYZ color 23.0088, 11.6856,

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

23.0088, 11.6856, 9.0255

Protanopia

12.3135, 12.4470, 19.2063

Deuteranopia

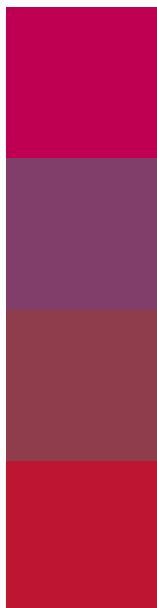
12.4412, 12.2128, 8.1802



Tritanopia

21.7908, 12.0108, 2.5363

Trichromacy



Original Color

23.0088, 11.6856, 9.0255

Protanomaly

13.3774, 9.1530, 14.6973

Deuteranomaly

14.2831, 9.6072, 8.1227

Tritanomaly

22.0791, 11.7138, 4.1149

Monochromacy



Original Color

23.0088, 11.6856, 9.0255

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

8.5532, 5.5033, 6.7423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0088, 11.6856, 9.0255 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(191, 0, 82)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 82)  
}
```

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(191, 0, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 82) }
```

Border

The CSS property to change the border of an element to XYZ 23.0088, 11.6856, 9.0255 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(191, 0, 82) }
```


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

```
.border{ border-color:rgb(191, 0, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 0, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 82);  
box-shadow:4px 4px 4px 4px rgb(191, 0, 82)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.0088, 11.6856, 9.0255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 82) }
```

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

```
.background{ background-color: rgb(191, 0,  
82) }
```

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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