

Converting Colors

XYZ(23.5669, 11.8645, 13.3542)

Have a look what the booklet for
XYZ(23.5669, 11.8645, 13.3542)
contains.

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Color

**XYZ(23.5842, 11.8867,
13.3633)**

Conversions

Conversions Part 1

Format	Color
Hex	BE0065
RGB	190, 0, 101
RGB Percent	75%, 0%, 40%
CMY	0.2549, 0.9999, 0.6039
CMYK	0.00, 1.00, 0.47, 0.25
HSL	328°, 100%, 37%
HSV	328°, 100%, 75%
XYZ	23.5842, 11.8867, 13.3633
YIQ	68.3240, 80.8190, 71.6910

Conversions

Conversions Part 2

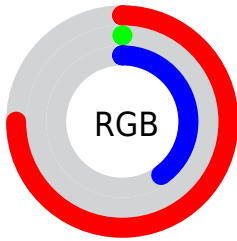
Format	Color
R_YB	190, 0, 101
Decimal	12451941
CIE Lab	41.04, 68.35, -1.05
CIE LCh	41, 68.359, 359.116
Yxy	11.8867, 0.4829, 0.2434
Android (android.graphics.Color)	4290642021 (0xFFBE0065)
YUV	68.3240, 16.1093, 106.7099
Hunter-Lab	34.4771, 61.7688, 1.1532

Details

The XYZ color **23.5842, 11.8867, 13.3633** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **20.2183, 37.5489, 15.6398**, and the grayscale version is **5.5150, 5.8022, 6.3186**.

A 20% lighter version of the original color is **48.6997, 29.2732, 32.7893**, and **9.8955, 5.0217, 4.0622** is the 20% darker color. If you saturate the color by 10%, you get **23.5835, 11.8865, 13.3597**, and if you desaturate by 10%, it is **24.2777, 12.5376, 15.8642**.

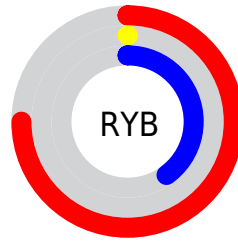
Distribution



Red (75%)

Green (0%)

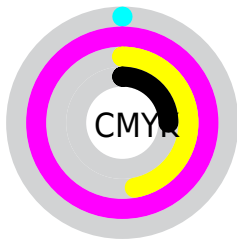
Blue (40%)



Red (75%)

Yellow (0%)

Blue (40%)

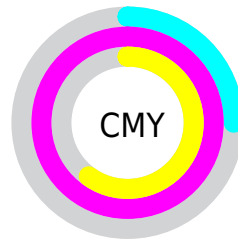


Cyan (0%)

Magenta (100%)

Yellow (47%)

Black (25%)



Cyan (25%)


Magenta (100%)


Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5842, 11.8867, 13.3633 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 23.5842, 11.8867, 13.3633 by changing the saturation by 10% instead.


 23.5842, 11.8867,
13.3633


 23.5842, 11.8867,
13.3633


263.1912,
203.6538, 224.5221


 15.1485, 6.6666,
7.5455


 48.8104, 29.2886,
32.6556


 9.0107, 3.2545,
3.7220


 66.3317, 42.2391,
46.9673


 4.8053, 1.2660,
1.4741

 87.6123, 58.5353,
64.9473

 2.1671, 0.1146,
0.1985

 113.0174, 78.5614,
87.0143

 0.7253, 0.0000,
0.0000

 142.9125,
102.7019, 113.5867

 0.0000, 0.0000,
0.0000

 177.6630,

131.3412, 145.0831

217.6341,
164.8637, 181.9220

■ 23.5842, 11.8867,
13.3633

■ 23.5842, 11.8867,
13.3633

■ 23.5835, 11.8865,
13.3597

■ 24.2777, 12.5376,
15.8642

■ 25.2473, 13.6625,
18.6973

■ 26.5767, 15.4271,
21.8973

■ 28.3089, 17.9151,
25.4849

■ 30.4802, 21.1970,
29.4786

■ 33.1228, 25.3353,
33.8951

■ 36.2656, 30.3860,
38.7498

■ 39.9351, 36.4001,
44.0574

■ 44.1559, 43.4252,
49.8314

Harmonies

Analogous

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



21.4699, 11.8867, 32.3286



23.5842, 11.8867, 13.3633



21.6937, 11.8867, 3.7506

Triad

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



23.5842, 11.8867, 13.3633



7.3046, 11.8867, 0.7711



7.1180, 11.8867, 52.6745

Complementary

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



23.5842, 11.8867, 13.3633



20.2183, 37.5489, 15.6398

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.



4.9025, 11.8867, 31.0195



23.5842, 11.8867, 13.3633



4.9863, 11.8867, 3.4437

Square

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



23.5842, 11.8867, 13.3633



11.4439, 11.8867, 0.1678



4.2517, 11.8867, 12.5308



11.1532, 11.8867, 63.0355

Rectangle

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



23.5842, 11.8867, 13.3633



18.6573, 11.8867, 1.3821



4.2517, 11.8867, 12.5308



6.1839, 11.8867, 45.9529

Sweetspot

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



23.5845, 11.8874, 13.3635



65.4104, 54.5637, 69.7596



13.3840, 5.8265, 49.1344



13.8089, 11.0858, 14.4757



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.



23.5845, 11.8874, 13.3635



42.6099, 21.4893, 23.5415



21.2704, 10.9618, 1.1775



9.7364, 9.6188, 11.0007



15.7217, 7.9198, 9.0940



0.6486, 0.3233, 0.5288

Inverse Universe

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



23.5845, 11.8874, 13.3635



42.6099, 21.4893, 23.5415



27.0308, 40.2739, 51.5140



9.7364, 9.6188, 11.0007



15.7217, 7.9198, 9.0940



0.6486, 0.3233, 0.5288

Previews

White Background



This preview shows how the XYZ color 23.5842, 11.8867, 13.3633 looks on a white background.

Color Contrast Check

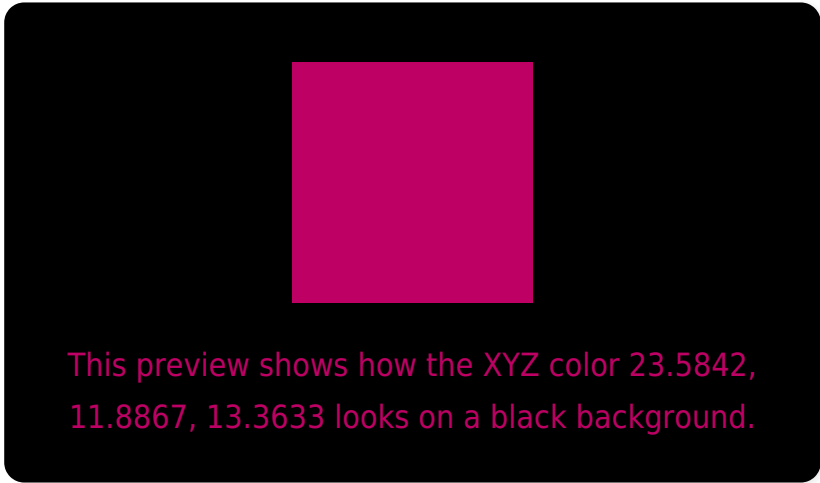
Large Text (above 18pt) WCAG AA ✓ Pass

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

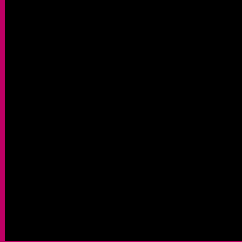
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.5842, 11.8867, 13.3633

Background



This preview shows how black text looks on a background with the XYZ color 23.5842, 11.8867, 13.3633.



This preview shows how white text looks on a background with the XYZ color 23.5842, 11.8867,

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

23.5842, 11.8867, 13.3633

Protanopia

13.1233, 12.6497, 28.9441

Deuteranopia

12.7142, 12.5356, 12.1054



Tritanopia

21.6353, 12.2356, 3.2289

Trichromacy



Original Color

23.5842, 11.8867, 13.3633



Protanomaly

13.7779, 9.1945, 22.1676



Deuteranomaly

14.5953, 9.7575, 12.1805



Tritanomaly

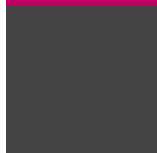
21.9562, 11.7344, 5.6652

Monochromacy



Original Color

23.5842, 11.8867, 13.3633



Achromatopsia

5.4944, 5.7805, 6.2950



Achromatomaly

8.9939, 5.7517, 8.2256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5842, 11.8867, 13.3633 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(190, 0, 101)` looks like.

```
.text, #text, p{  
    color:rgb(190, 0, 101)  
}
```

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(190, 0, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 0, 101) }
```

Border

The CSS property to change the border of an element to XYZ 23.5842, 11.8867, 13.3633 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(190, 0, 101) }
```


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

```
.border{ border-color:rgb(190, 0, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 0, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 0, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 0, 101);  
box-shadow:4px 4px 4px 4px rgb(190, 0,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5842, 11.8867, 13.3633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 0, 101) }
```

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

```
.background{ background-color: rgb(190, 0,  
101) }
```

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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