

Converting Colors

XYZ(23.4327, 11.8624, 10.9288)

Have a look what the booklet for
XYZ(23.4327, 11.8624, 10.9288)
contains.

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Color

**XYZ(23.3742, 11.8317,
10.9493)**

Conversions

Conversions Part 1

Format	Color
Hex	BF005B
RGB	191, 0, 91
RGB Percent	75%, 0%, 36%
CMY	0.2510, 0.9999, 0.6431
CMYK	0.00, 1.00, 0.52, 0.25
HSL	331°, 100%, 37%
HSV	331°, 100%, 75%
XYZ	23.3742, 11.8317, 10.9493
YIQ	67.4830, 84.6250, 68.7930

Conversions

Conversions Part 2

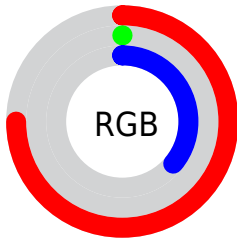
Format	Color
R_YB	191, 0, 91
Decimal	12517467
CIE Lab	40.95, 67.80, 5.18
CIE LCh	41, 67.993, 4.370
Yxy	11.8317, 0.5064, 0.2563
Android (android.graphics.Color)	4290707547 (0xFFBF005B)
YUV	67.4830, 11.5939, 108.3244
Hunter-Lab	34.3972, 61.1022, 5.2049

Details

The XYZ color **23.3742, 11.8317, 10.9493** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **20.9331, 38.1825, 18.3318**, and the grayscale version is **5.3873, 5.6679, 6.1723**.

A 20% lighter version of the original color is **48.4861, 29.1464, 28.2696**, and **9.8532, 5.0226, 3.0349** is the 20% darker color. If you saturate the color by 10%, you get **23.3734, 11.8314, 10.9453**, and if you desaturate by 10%, it is **24.0700, 12.4863, 13.4539**.

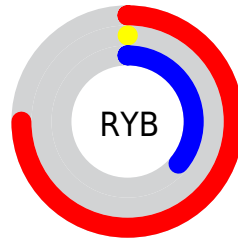
Distribution



Red (75%)

Green (0%)

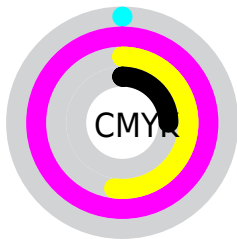
Blue (36%)



Red (75%)

Yellow (0%)

Blue (36%)

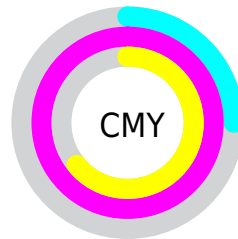


Cyan (0%)

Magenta (100%)

Yellow (52%)

Black (25%)



Cyan (25%)

Magenta (100%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3742, 11.8317, 10.9493 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 23.3742, 11.8317, 10.9493 by changing the saturation by 10% instead.

■ 23.3742, 11.8317,
10.9493

■ 23.3742, 11.8317,
10.9493

262.1408,
203.2879, 208.0443

■ 14.9923, 6.6292,
5.9190

■ 48.4692, 29.1882,
28.2016

■ 8.9002, 3.2313,
2.7279

■ 65.9129, 42.1110,
41.2607

■ 4.7328, 1.2536,
0.9574

■ 87.1080, 58.3760,
57.8331

■ 2.1245, 0.1049,
0.0000

■ 112.4198, 78.3676,
78.3374

■ 0.7025, 0.0000,
0.0000

■ 142.2136,
102.4702, 103.1922

■ 0.0000, 0.0000,
0.0000

■ 176.8548,

131.0682, 132.8159

216.7087,
164.5459, 167.6271

■ 23.3742, 11.8317,
10.9493

■ 23.3742, 11.8317,
10.9493

■ 23.3734, 11.8314,
10.9453

■ 24.0700, 12.4863,
13.4539

■ 25.0559, 13.6254,
16.3493

■ 26.4170, 15.4163,
19.6742

■ 28.1975, 17.9441,
23.4527

■ 30.4347, 21.2807,
27.7063

■ 33.1617, 25.4892,
32.4548

■ 36.4083, 30.6267,
37.7166

■ 40.2019, 36.7453,
43.5088

■ 44.5679, 43.8931,
49.8479

Harmonies

Analogous

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



21.9507, 11.8317, 28.2740



23.3742, 11.8317, 10.9493



20.8574, 11.8317, 2.9107

Triad

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



23.3742, 11.8317, 10.9493



6.7520, 11.8317, 1.0129



7.6683, 11.8317, 55.2146

Complementary

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



23.3742, 11.8317, 10.9493



20.9331, 38.1825, 18.3318

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.



5.1613, 11.8317, 34.6680



23.3742, 11.8317, 10.9493



4.7491, 11.8317, 4.4273

Square

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



23.3742, 11.8317, 10.9493



10.5486, 11.8317, 0.1960



4.2643, 11.8317, 15.0313



11.9728, 11.8317, 62.2362

Rectangle

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



23.3742, 11.8317, 10.9493



17.6155, 11.8317, 1.0762



4.2643, 11.8317, 15.0313



6.6328, 11.8317, 49.1774

Sweetspot

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



23.3745, 11.8324, 10.9495



64.8986, 54.3590, 67.0644



14.5172, 6.3981, 49.7599



13.6848, 11.0362, 13.8226



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.



23.3745, 11.8324, 10.9495



41.7409, 21.1417, 18.9657



21.5209, 11.1462, 1.0181



9.7143, 9.6100, 10.8845



15.4009, 7.7915, 7.4047



0.6363, 0.3184, 0.4642

Inverse Universe

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



23.3745, 11.8324, 10.9495



41.7409, 21.1417, 18.9657



27.3485, 39.6501, 55.5019



9.7143, 9.6100, 10.8845



15.4009, 7.7915, 7.4047



0.6363, 0.3184, 0.4642

Previews

White Background



This preview shows how the XYZ color 23.3742, 11.8317, 10.9493 looks on a white background.

Color Contrast Check

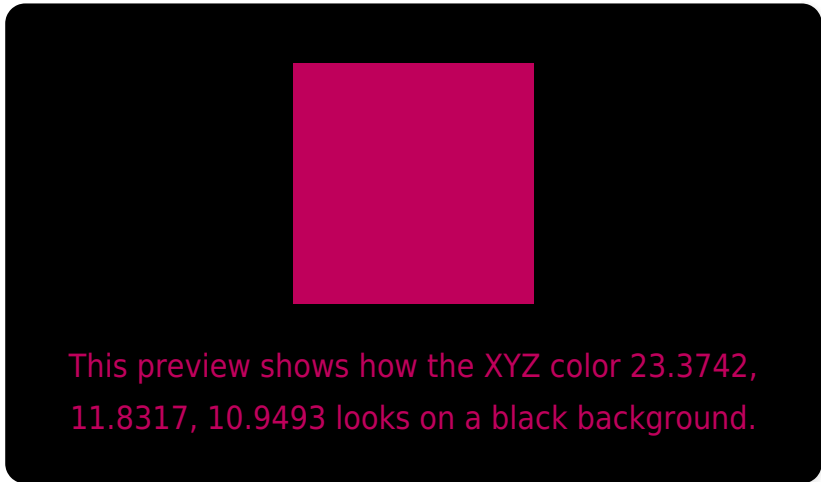
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3742, 11.8317, 10.9493

Background



This preview shows how black text looks on a background with the XYZ color 23.3742, 11.8317, 10.9493.



This preview shows how white text looks on a background with the XYZ color 23.3742, 11.8317,

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

23.3742, 11.8317, 10.9493

Protanopia

12.7490, 12.5750, 23.5851

Deuteranopia

12.5930, 12.3864, 9.9107



Tritanopia

21.9356, 12.2079, 2.8693

Trichromacy



Original Color

23.3742, 11.8317, 10.9493



Protanomaly

13.6859, 9.2416, 17.8921



Deuteranomaly

14.4509, 9.6544, 9.9059



Tritanomaly

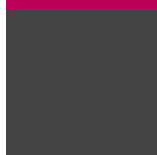
22.2554, 11.8455, 4.8548

Monochromacy



Original Color

23.3742, 11.8317, 10.9493



Achromatopsia

5.4944, 5.7805, 6.2950



Achromatomaly

8.9784, 5.7603, 7.4761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3742, 11.8317, 10.9493 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 91) }
```

Border

The CSS property to change the border of an element to XYZ 23.3742, 11.8317, 10.9493 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, 91) }
```


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

```
.border{ border-color:rgb(191, 0, 91) }
```

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, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 91);  
box-shadow:4px 4px 4px 4px rgb(191, 0, 91)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.3742, 11.8317, 10.9493 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, 91) }
```

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

```
.background{ background-color: rgb(191, 0,  
91) }
```

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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