

Converting Colors

XYZ(23.7021, 11.8243, 18.9373)

Have a look what the booklet for
XYZ(23.7021, 11.8243, 18.9373)
contains.

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Color

**XYZ(23.6399, 11.7952,
18.8000)**

Conversions

Conversions Part 1

Format	Color
Hex	BA0078
RGB	186, 0, 120
RGB Percent	73%, 0%, 47%
CMY	0.2706, 0.9999, 0.5294
CMYK	0.00, 1.00, 0.35, 0.27
HSL	321°, 100%, 36%
HSV	321°, 100%, 73%
XYZ	23.6399, 11.7952, 18.8000
YIQ	69.2940, 72.3360, 76.7520

Conversions

Conversions Part 2

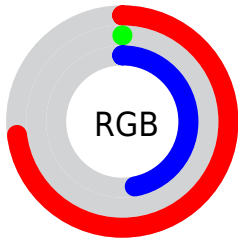
Format	Color
R_{YB}	186, 0, 120
Decimal	12189816
CIE _{Lab}	40.89, 69.23, -13.28
CIE _{LCh}	41, 70.494, 349.138
Yxy	11.7952, 0.4359, 0.2175
Android (android.graphics.Color)	4290379896 (0xFFBA0078)
YUV	69.2940, 24.9981, 102.3512
Hunter-Lab	34.3441, 62.7636, -8.4145

Details

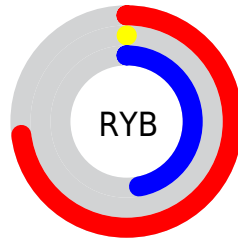
The XYZ color **23.6399, 11.7952, 18.8000** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **18.5436, 35.5118, 11.0362**, and the grayscale version is **5.6595, 5.9543, 6.4842**.

A 20% lighter version of the original color is **49.0527, 29.2497, 42.0901**, and **9.8897, 4.9670, 6.3987** is the 20% darker color. If you saturate the color by 10%, you get **23.6393, 11.7949, 18.7966**, and if you desaturate by 10%, it is **24.2812, 12.4144, 21.0591**.

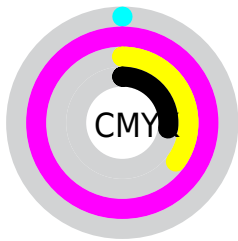
Distribution



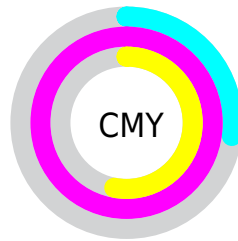
- Red (73%)
- Green (0%)
- Blue (47%)



- Red (73%)
- Yellow (0%)
- Blue (47%)



- Cyan (0%)
- Magenta (100%)
- Yellow (35%)
- Black (27%)





- Cyan (27%)
- Magenta (100%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6399, 11.7952, 18.8000 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 23.6399, 11.7952, 18.8000 by changing the saturation by 10% instead.


 23.6399, 11.7952,
18.8000


 23.6399, 11.7952,
18.8000


263.4692,
203.0447, 257.7282


 15.1900, 6.6044,
11.3505


 48.9009, 29.1216,
42.2281


 9.0400, 3.2159,
6.1860


 66.4427, 42.0259,
59.0437

 4.8246, 1.2455,
2.8879

 87.7458, 58.2702,
79.8185

 2.1784, 0.0984,
1.0377

 113.1757, 78.2388,
104.9709

 0.7313, 0.0000,
0.0000

 143.0976,
102.3162, 134.9196

 0.0000, 0.0000,
0.0000

 177.8769,

130.8867, 170.0830

217.8790,
164.3347, 210.8797

■ 23.6399, 11.7952,
18.8000

■ 23.6399, 11.7952,
18.8000

■ 23.6393, 11.7949,
18.7966

■ 24.2812, 12.4144,
21.0591

■ 25.1662, 13.4757,
23.5383

■ 26.3749, 15.1388,
26.2670

■ 27.9472, 17.4824,
29.2609

■ 29.9171, 20.5734,
32.5337

■ 32.3141, 24.4705,
36.0978

■ 35.1652, 29.2267,
39.9644

■ 38.4948, 34.8903,
44.1439

■ 42.3258, 41.5061,
48.6462

Harmonies

Analogous

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



20.2285, 11.7952, 40.8135



23.6399, 11.7952, 18.8000



23.0510, 11.7952, 5.7358

Triad

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



23.6399, 11.7952, 18.8000



8.3305, 11.7952, 0.2727



6.0004, 11.7952, 47.2308

Complementary

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



23.6399, 11.7952, 18.8000



18.5436, 35.5118, 11.0362

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.



4.3327, 11.7952, 24.2282



23.6399, 11.7952, 18.8000



5.3732, 11.7952, 1.9098

Square

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



23.6399, 11.7952, 18.8000



13.1336, 11.7952, 0.0886



4.1439, 11.7952, 8.2995



9.4858, 11.7952, 63.7490

Rectangle

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



23.6399, 11.7952, 18.8000



20.5070, 11.7952, 2.0946



4.1439, 11.7952, 8.2995



5.2594, 11.7952, 39.4489

Sweetspot

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



23.6403, 11.7959, 18.8002



63.4530, 52.4935, 72.0644



11.0512, 4.6738, 46.7741



13.4724, 10.7200, 15.2034



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.6403, 11.7959, 18.8002



42.7280, 21.3312, 33.4405



20.4588, 10.5233, 2.0469



9.2419, 9.1071, 10.6214



15.9404, 7.9499, 12.8388



0.5902, 0.2916, 0.6015

Inverse Universe

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



23.6403, 11.7959, 18.8002



42.7280, 21.3312, 33.4405



23.7399, 37.5903, 38.3995



9.2419, 9.1071, 10.6214



15.9404, 7.9499, 12.8388



0.5902, 0.2916, 0.6015

Previews

White Background



This preview shows how the XYZ color 23.6399, 11.7952, 18.8000 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

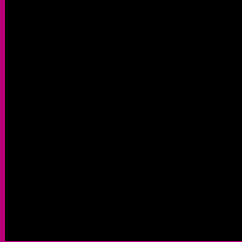
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.6399, 11.7952, 18.8000

Background



This preview shows how black text looks on a background with the XYZ color 23.6399, 11.7952, 18.8000.



This preview shows how white text looks on a background with the XYZ color 23.6399, 11.7952,

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

23.6399, 11.7952, 18.8000

Protanopia

13.9679, 12.6862, 40.7422

Deuteranopia

12.5870, 12.3604, 17.0516



Tritanopia

20.8623, 12.1999, 4.1610

Trichromacy



Original Color

23.6399, 11.7952, 18.8000

Protanomaly

13.9028, 9.0602, 31.1530

Deuteranomaly

14.4361, 9.5618, 17.3044

Tritanomaly

21.2627, 11.5038, 7.7564

Monochromacy



Original Color

23.6399, 11.7952, 18.8000

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

9.3442, 5.9507, 9.8886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6399, 11.7952, 18.8000 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(186, 0, 120)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 120)  
}
```

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(186, 0, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 120) }
```

Border

The CSS property to change the border of an element to XYZ 23.6399, 11.7952, 18.8000 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(186, 0, 120) }
```


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

```
.border{ border-color:rgb(186, 0, 120) }
```

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

Here you see how a box with a 4 pixel rgb(186, 0, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 120);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6399, 11.7952, 18.8000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 120) }
```

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

```
.background{ background-color: rgb(186, 0,  
120) }
```

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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