

Converting Colors

XYZ(23.7789, 11.9273, 16.0757)

Have a look what the booklet for
XYZ(23.7789, 11.9273, 16.0757)
contains.

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Color

**XYZ(23.8555, 11.9665,
16.0914)**

Conversions

Conversions Part 1

Format	Color
Hex	BD006F
RGB	189, 0, 111
RGB Percent	74%, 0%, 44%
CMY	0.2588, 0.9999, 0.5647
CMYK	0.00, 1.00, 0.41, 0.26
HSL	325°, 100%, 37%
HSV	325°, 100%, 74%
XYZ	23.8555, 11.9665, 16.0914
YIQ	69.1650, 77.0130, 74.5890

Conversions

Conversions Part 2

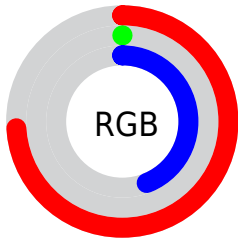
Format	Color
RYB	189, 0, 111
Decimal	12386415
CIELab	41.16, 69.00, -7.18
CIElCh	41, 69.375, 354.056
Yxy	11.9665, 0.4595, 0.2305
Android (android.graphics.Color)	4290576495 (0xFFBD006F)
YUV	69.1650, 20.6247, 105.0953
Hunter-Lab	34.5926, 62.5587, -3.3650

Details

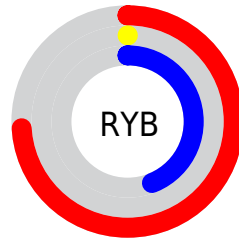
The XYZ color **23.8555, 11.9665, 16.0914** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **19.5742, 36.9458, 13.3132**, and the grayscale version is **5.6449, 5.9389, 6.4674**.

A 20% lighter version of the original color is **49.2837, 29.4653, 37.7402**, and **10.1031, 5.1047, 5.1554** is the 20% darker color. If you saturate the color by 10%, you get **23.8548, 11.9662, 16.0877**, and if you desaturate by 10%, it is **24.5358, 12.6094, 18.5310**.

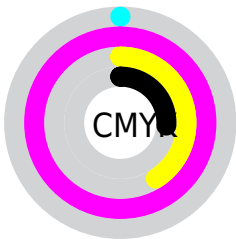
Distribution



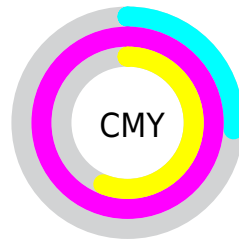
- Red (74%)
- Green (0%)
- Blue (44%)



- Red (74%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (41%)
- Black (26%)



- Cyan (26%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8555, 11.9665, 16.0914 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 23.8555, 11.9665, 16.0914 by changing the saturation by 10% instead.

■ 23.8555, 11.9665,
16.0914

■ 23.8555, 11.9665,
16.0914

264.5432,
204.1834, 241.7445

■ 15.3506, 6.7209,
9.4338

■ 49.2507, 29.4341,
37.5258

■ 9.1537, 3.2882,
4.9245

■ 66.8717, 42.4248,
53.1397

■ 4.8995, 1.2840,
2.1451

■ 88.2621, 58.7660,
72.5761

■ 2.2226, 0.1287,
0.6424

■ 113.7874, 78.8422,
96.2535

■ 0.7546, 0.0000,
0.0000

■ 143.8127,
103.0376, 124.5905

■ 0.0000, 0.0000,
0.0000

■ 178.7036,

131.7366, 158.0057

218.8253,
165.3238, 196.9175

■ 23.8555, 11.9665,
16.0914

■ 23.8555, 11.9665,
16.0914

■ 23.8548, 11.9662,
16.0877

■ 24.5358, 12.6094,
18.5310

■ 25.4789, 13.7163,
21.2479

■ 26.7675, 15.4511,
24.2739

■ 28.4433, 17.8962,
27.6273

■ 30.5419, 21.1213,
31.3240

■ 33.0947, 25.1876,
35.3785

■ 36.1297, 30.1502,
39.8040

■ 39.6728, 36.0597,
44.6129

■ 43.7479, 42.9625,
49.8168

Harmonies

Analogous

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



21.0597, 11.9665, 36.7730



23.8555, 11.9665, 16.0914



22.5957, 11.9665, 4.7240

Triad

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



23.8555, 11.9665, 16.0914



7.8898, 11.9665, 0.5328



6.6151, 11.9665, 50.4117

Complementary

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



23.8555, 11.9665, 16.0914



19.5742, 36.9458, 13.3132

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.



4.6631, 11.9665, 27.7717



23.8555, 11.9665, 16.0914



5.2340, 11.9665, 2.6328

Square

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



23.8555, 11.9665, 16.0914



12.3979, 11.9665, 0.1376



4.2443, 11.9665, 10.3829



10.4077, 11.9665, 64.0286

Rectangle

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



23.8555, 11.9665, 16.0914



19.7696, 11.9665, 1.7337



4.2443, 11.9665, 10.3829



5.7722, 11.9665, 43.0556

Sweetspot

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



23.8558, 11.9672, 16.0916



64.4173, 53.5185, 70.8795



12.1359, 5.1957, 48.5073



13.3406, 10.6673, 14.5091



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.



23.8558, 11.9672, 16.0916



42.6018, 21.3827, 28.1694



21.1035, 10.8663, 1.5980



9.7588, 9.6278, 11.1188



16.0890, 8.0668, 11.0283



0.6620, 0.3287, 0.5995

Inverse Universe

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



23.8558, 11.9672, 16.0916



42.6018, 21.3827, 28.1694



25.4634, 39.3015, 44.3252



9.7588, 9.6278, 11.1188



16.0890, 8.0668, 11.0283



0.6620, 0.3287, 0.5995

Previews

White Background



This preview shows how the XYZ color 23.8555, 11.9665, 16.0914 looks on a white background.

Color Contrast Check

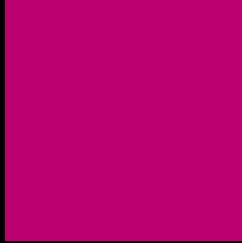
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.8555, 11.9665, 16.0914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

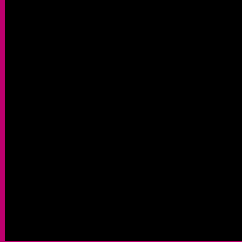
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.8555, 11.9665, 16.0914

Background



This preview shows how black text looks on a background with the XYZ color 23.8555, 11.9665, 16.0914.



This preview shows how white text looks on a background with the XYZ color 23.8555, 11.9665,

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

23.8555, 11.9665, 16.0914

Protanopia

13.6062, 12.7751, 34.5496

Deuteranopia

12.9072, 12.7168, 14.6063



Tritanopia

21.3819, 12.3051, 3.7308

Trichromacy



Original Color

23.8555, 11.9665, 16.0914

Protanomaly

13.9412, 9.1802, 26.6283

Deuteranomaly

14.6407, 9.8042, 14.7564

Tritanomaly

21.7391, 11.6993, 6.7426

Monochromacy



Original Color

23.8555, 11.9665, 16.0914

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

9.3110, 5.9522, 9.0456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8555, 11.9665, 16.0914 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(189, 0, 111)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 111)  
}
```

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(189, 0, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 111) }
```

Border

The CSS property to change the border of an element to XYZ 23.8555, 11.9665, 16.0914 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(189, 0, 111) }
```


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

```
.border{ border-color:rgb(189, 0, 111) }
```

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

Here you see how a box with a 4 pixel rgb(189, 0, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 111);  
box-shadow:4px 4px 4px 4px rgb(189, 0,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8555, 11.9665, 16.0914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 111) }
```

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

```
.background{ background-color: rgb(189, 0,  
111) }
```

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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