

Converting Colors

XYZ(23.4495, 11.6926, 20.0604)

Have a look what the booklet for
XYZ(23.4495, 11.6926, 20.0604)
contains.

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Color

**XYZ(23.4161, 11.6673,
20.0866)**

Conversions

Conversions Part 1

Format	Color
Hex	B8017C
RGB	184, 1, 124
RGB Percent	72%, 0%, 49%
CMY	0.2784, 0.9960, 0.5137
CMYK	0.00, 0.99, 0.33, 0.28
HSL	320°, 99%, 36%
HSV	320°, 99%, 72%
XYZ	23.4161, 11.6673, 20.0866
YIQ	69.7390, 69.5850, 77.0490

Conversions

Conversions Part 2

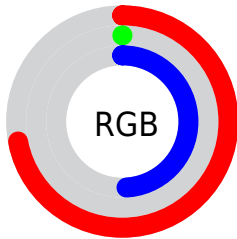
Format	Color
RYB	184, 1, 124
Decimal	12059004
CIELab	40.68, 69.12, -16.13
CIELCh	41, 70.981, 346.869
Yxy	11.6673, 0.4244, 0.2115
Android (android.graphics.Color)	4290249084 (0xFFB8017C)
YUV	69.7390, 26.7507, 100.2069
Hunter-Lab	34.1574, 62.5924, -10.9558

Details

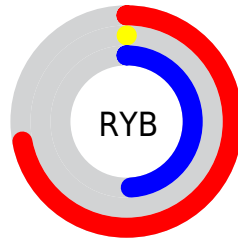
The XYZ color **23.4161, 11.6673, 20.0866** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **17.9965, 34.6249, 10.1538**, and the grayscale version is **5.7300, 6.0284, 6.5649**.

A 20% lighter version of the original color is **48.4925, 28.9044, 44.6182**, and **9.7274, 4.8680, 7.0835** is the 20% darker color. If you saturate the color by 10%, you get **23.3840, 11.6371, 19.9708**, and if you desaturate by 10%, it is **24.0389, 12.2834, 22.2350**.

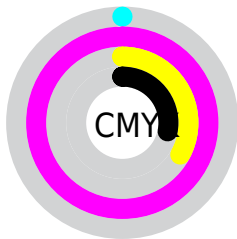
Distribution



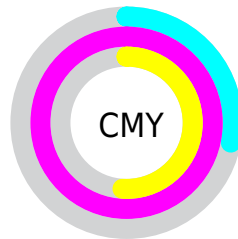
- Red (72%)
- Green (0%)
- Blue (49%)



- Red (72%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (99%)
- Yellow (33%)
- Black (28%)



- Cyan (28%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4161, 11.6673, 20.0866 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 23.4161, 11.6673, 20.0866 by changing the saturation by 10% instead.

■ 23.4161, 11.6673,
20.0866

■ 23.4161, 11.6673,
20.0866

262.3506,
202.1901, 265.0033

■ 15.0234, 6.5176,
12.2733

■ 48.5373, 28.8877,
44.4232

■ 8.9223, 3.1623,
6.8053

■ 65.9966, 41.7271,
61.7836

■ 4.7472, 1.2170,
3.2640

■ 87.2087, 57.8986,
83.1634

■ 2.1329, 0.0755,
1.2310

■ 112.5392, 77.7865,
108.9813

■ 0.7070, 0.0000,
0.0042

■ 142.3532,
101.7752, 139.6556

■ 0.0000, 0.0000,
0.0000

■ 177.0162,

130.2491, 175.6051

216.8936,
163.5926, 217.2481

■ 23.4161, 11.6673,
20.0866

■ 23.4161, 11.6673,
20.0866

■ 23.3840, 11.6371,
19.9708

■ 24.0389, 12.2834,
22.2350

■ 24.9036, 13.3452,
24.5811

■ 26.0826, 14.9971,
27.1512

■ 27.6142, 17.3148,
29.9598

■ 29.5310, 20.3630,
33.0197

■ 31.8616, 24.1984,
36.3422

■ 34.6318, 28.8722,
39.9378

■ 37.8656, 34.4313,
43.8161

■ 41.5846, 40.9189,
47.9861

Harmonies

Analogous

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



19.7442, 11.6673, 42.5800



23.4161, 11.6673, 20.0866



23.1485, 11.6673, 6.2452

Triad

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



23.4161, 11.6673, 20.0866



8.5145, 11.6673, 0.1549



5.7072, 11.6673, 45.5043

Complementary

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



23.4161, 11.6673, 20.0866



17.9965, 34.6249, 10.1538

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.



4.1733, 11.6673, 22.5482



23.4161, 11.6673, 20.0866



5.4256, 11.6673, 1.6210

Square

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



23.4161, 11.6673, 20.0866



13.4332, 11.6673, 0.0711



4.0888, 11.6673, 7.3959



9.0355, 11.6673, 63.2227

Rectangle

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



23.4161, 11.6673, 20.0866



20.7580, 11.6673, 2.2818



4.0888, 11.6673, 7.3959



5.0151, 11.6673, 37.6004

Sweetspot

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



23.4165, 11.6680, 20.0868



62.2074, 51.3646, 71.6822



10.4648, 4.4120, 45.6475



12.9442, 10.2832, 14.8570



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



23.4165, 11.6680, 20.0868



42.2750, 21.0494, 35.5980



20.0754, 10.3315, 2.4933



9.2523, 9.1113, 10.6760



16.1497, 8.0336, 13.9409



0.5965, 0.2941, 0.6348

Inverse Universe

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



23.4165, 11.6680, 20.0868



42.2750, 21.0494, 35.5980



22.6952, 36.5044, 34.8967



9.2523, 9.1113, 10.6760



16.1497, 8.0336, 13.9409



0.5965, 0.2941, 0.6348

Previews

White Background



This preview shows how the XYZ color 23.4161, 11.6673, 20.0866 looks on a white background.

Color Contrast Check

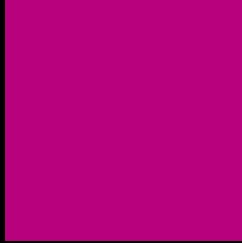
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4161, 11.6673, 20.0866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

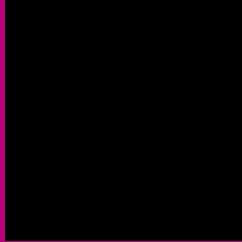
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.4161, 11.6673, 20.0866

Background



This preview shows how black text looks on a background with the XYZ color 23.4161, 11.6673, 20.0866.



This preview shows how white text looks on a background with the XYZ color 23.4161, 11.6673,

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

23.4161, 11.6673, 20.0866

Protanopia

13.9223, 12.4699, 43.2681

Deuteranopia

12.4808, 12.2793, 18.2353



Tritanopia

20.2863, 12.0193, 4.3827

Trichromacy



Original Color

23.4161, 11.6673, 20.0866



Protanomaly

13.5492, 8.7492, 33.3224



Deuteranomaly

14.2044, 9.4152, 18.5214



Tritanomaly

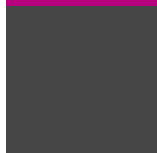
20.9477, 11.4068, 8.3054

Monochromacy



Original Color

23.4161, 11.6673, 20.0866



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.3394, 5.9945, 10.3377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4161, 11.6673, 20.0866 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(184, 1, 124)` looks like.

```
.text, #text, p{  
    color:rgb(184, 1, 124)  
}
```

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(184, 1, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 1, 124) }
```

Border

The CSS property to change the border of an element to XYZ 23.4161, 11.6673, 20.0866 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(184, 1, 124) }
```


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

```
.border{ border-color:rgb(184, 1, 124) }
```

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

Here you see how a box with a 4 pixel rgb(184, 1, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 1, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 1, 124);  
box-shadow:4px 4px 4px 4px rgb(184, 1,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4161, 11.6673, 20.0866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 1, 124) }
```

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

```
.background{ background-color: rgb(184, 1,  
124) }
```

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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