

Converting Colors

XYZ(23.0129, 11.9005, 11.2960)

Have a look what the booklet for
XYZ(23.0129, 11.9005, 11.2960)
contains.

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Color

**XYZ(23.0889, 11.9332,
11.2116)**

Conversions

Conversions Part 1

Format	Color
Hex	BD0F5C
RGB	189, 15, 92
RGB Percent	74%, 6%, 36%
CMY	0.2588, 0.9411, 0.6392
CMYK	0.00, 0.92, 0.51, 0.26
HSL	333°, 85%, 40%
HSV	333°, 92%, 74%
XYZ	23.0889, 11.9332, 11.2116
YIQ	75.8040, 78.9870, 60.8350

Conversions

Conversions Part 2

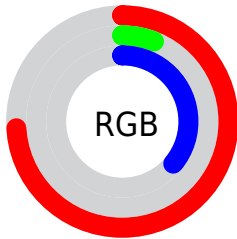
Format	Color
RYB	189, 15, 92
Decimal	12390236
CIELab	41.11, 65.82, 4.72
CIElCh	41, 65.985, 4.105
Yxy	11.9332, 0.4994, 0.2581
Android (android.graphics.Color)	4290580316 (0xFFBD0F5C)
YUV	75.8040, 7.9846, 99.2729
Hunter-Lab	34.5445, 58.8534, 4.9382

Details

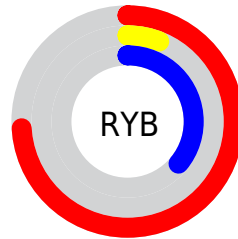
The XYZ color **23.0889, 11.9332, 11.2116** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **21.3211, 37.6674, 21.4837**, and the grayscale version is **6.8120, 7.1668, 7.8046**.

A 20% lighter version of the original color is **48.1559, 29.4417, 28.7359**, and **9.5664, 4.8724, 3.1256** is the 20% darker color. If you saturate the color by 10%, you get **22.5717, 11.4530, 9.3311**, and if you desaturate by 10%, it is **23.9812, 12.9287, 13.9422**.

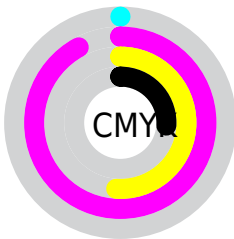
Distribution



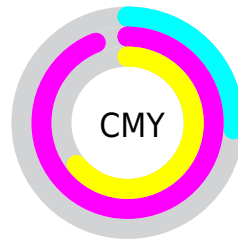
- Red (74%)
- Green (6%)
- Blue (36%)



- Red (74%)
- Yellow (6%)
- Blue (36%)



- Cyan (0%)
- Magenta (92%)
- Yellow (51%)
- Black (26%)





- Cyan (26%)
- Magenta (94%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.0889, 11.9332, 11.2116 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 23.0889, 11.9332, 11.2116 by changing the saturation by 10% instead.

 23.0889, 11.9332,
11.2116


 23.0889, 11.9332,
11.2116


260.7081,
203.9626, 209.9028


 14.7802, 6.6982,
6.0934


 48.0048, 29.3734,
28.6934


 8.7506, 3.2741,
2.8322


 65.3428, 42.3474,
41.8941


 4.6347, 1.2764,
1.0096

 86.4213, 58.6698,
58.6260

 2.0671, 0.1229,
0.0000

 111.6055, 78.7251,
79.3076

 0.6712, 0.0000,
0.0000

 141.2610,
102.8976, 104.3576

 0.0000, 0.0000,
0.0000

 175.7530,

131.5718, 134.1944

215.4469,
165.1319, 169.2367

■ 23.0889, 11.9332,
11.2116

■ 23.0889, 11.9332,
11.2116

■ 22.5717, 11.4530,
9.3311

■ 23.9812, 12.9287,
13.9422

■ 25.2363, 14.5432,
17.1221

■ 26.8996, 16.8637,
20.7781

■ 29.0091, 19.9627,
24.9339

■ 31.5981, 23.9035,
29.6110

■ 34.6966, 28.7428,
34.8295

■ 38.3322, 34.5325,
40.6084

■ 42.5301, 41.3202,
46.9654

■ 47.3142, 49.1507,
53.9174

Harmonies

Analogous

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



21.6850, 11.9332, 28.0657



23.0889, 11.9332, 11.2116



20.6947, 11.9332, 3.1607

Triad

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



23.0889, 11.9332, 11.2116



6.9581, 11.9332, 1.1459



7.8069, 11.9332, 53.5055

Complementary

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



23.0889, 11.9332, 11.2116



21.3211, 37.6674, 21.4837

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.



5.3421, 11.9332, 33.8329



23.0889, 11.9332, 11.2116



4.9565, 11.9332, 4.5982

Square

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



23.0889, 11.9332, 11.2116



10.7017, 11.9332, 0.3540



4.4602, 11.9332, 14.9543



12.0077, 11.9332, 60.3438

Rectangle

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



23.0889, 11.9332, 11.2116



17.5743, 11.9332, 1.2412



4.4602, 11.9332, 14.9543



6.7909, 11.9332, 47.7209

Sweetspot

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



23.0892, 11.9339, 11.2118



64.3736, 55.0123, 65.9901



15.8758, 7.3774, 48.7313



13.2708, 10.9243, 13.2629



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.



23.0892, 11.9339, 11.2118



40.3098, 20.4659, 16.0999



21.3937, 11.4954, 1.5442



9.7008, 9.6046, 10.8135



15.2242, 7.7208, 6.4740



0.6293, 0.3156, 0.4270

Inverse Universe

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



23.0892, 11.9339, 11.2118



40.3098, 20.4659, 16.0999



25.7649, 36.5402, 53.8391



9.7008, 9.6046, 10.8135



15.2242, 7.7208, 6.4740



0.6293, 0.3156, 0.4270

Previews

White Background



This preview shows how the XYZ color 23.0889, 11.9332, 11.2116 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 23.0889, 11.9332, 11.2116 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 23.0889, 11.9332, 11.2116

Background



This preview shows how black text looks on a background with the XYZ color 23.0889, 11.9332, 11.2116.



This preview shows how white text looks on a background with the XYZ color 23.0889, 11.9332,

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

23.0889, 11.9332, 11.2116

Protanopia

12.5594, 12.3392, 23.5495

Deuteranopia

12.5025, 12.3352, 10.1095



Tritanopia

21.5852, 12.1623, 3.1293

Trichromacy



Original Color

23.0889, 11.9332, 11.2116

Protanomaly

13.6755, 9.6586, 17.9731

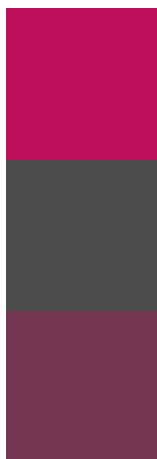
Deuteranomaly

14.6530, 10.2473, 10.2224

Tritanomaly

21.9670, 11.9254, 5.1470

Monochromacy



Original Color

23.0889, 11.9332, 11.2116

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

10.1783, 7.0294, 8.8030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0889, 11.9332, 11.2116 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, 15, 92)` looks like.

```
.text, #text, p{  
    color:rgb(189, 15, 92)  
}
```

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, 15, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 15, 92) }
```

Border

The CSS property to change the border of an element to XYZ 23.0889, 11.9332, 11.2116 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, 15, 92) }
```


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

```
.border{ border-color:rgb(189, 15, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 15, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 15, 92); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 15, 92); box-shadow:4px 4px 4px 4px rgb(189, 15, 92) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0889, 11.9332, 11.2116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 15, 92) }
```

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

```
.background{ background-color: rgb(189, 15,  
92) }
```

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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