

Converting Colors

XYZ(23.4115, 11.8539, 10.8175)

Have a look what the booklet for
XYZ(23.4115, 11.8539, 10.8175)
contains.

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Color

**XYZ(23.3313, 11.8146,
10.7236)**

Conversions

Conversions Part 1

Format	Color
Hex	BF005A
RGB	191, 0, 90
RGB Percent	75%, 0%, 35%
CMY	0.2510, 0.9999, 0.6471
CMYK	0.00, 1.00, 0.53, 0.25
HSL	332°, 100%, 37%
HSV	332°, 100%, 75%
XYZ	23.3313, 11.8146, 10.7236
YIQ	67.3690, 84.9460, 68.4820

Conversions

Conversions Part 2

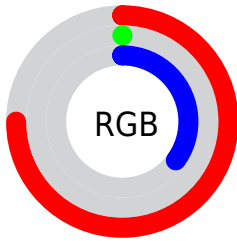
Format	Color
R_{YB}	191, 0, 90
Decimal	12517466
CIE Lab	40.92, 67.72, 5.78
CIE LCh	41, 67.968, 4.875
Yxy	11.8146, 0.5086, 0.2576
Android (android.graphics.Color)	4290707546 (0xFFBF005A)
YUV	67.3690, 11.1571, 108.4244
Hunter-Lab	34.3724, 61.0107, 5.5632

Details

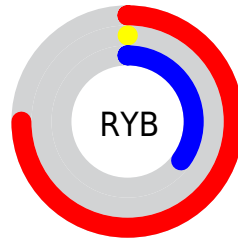
The XYZ color **23.3313, 11.8146, 10.7236** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **20.9820, 38.2019, 18.5894**, and the grayscale version is **5.3702, 5.6499, 6.1527**.

A 20% lighter version of the original color is **48.4120, 29.1167, 27.8794**, and **9.6796, 4.9353, 2.9251** is the 20% darker color. If you saturate the color by 10%, you get **23.3303, 11.8141, 10.7191**, and if you desaturate by 10%, it is **24.0261, 12.4688, 13.2229**.

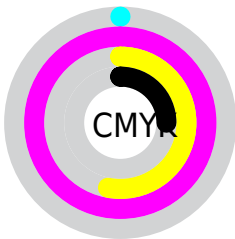
Distribution



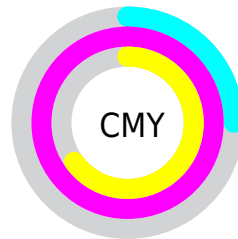
- Red (75%)
- Green (0%)
- Blue (35%)



- Red (75%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (53%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3313, 11.8146, 10.7236 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 23.3313, 11.8146, 10.7236 by changing the saturation by 10% instead.

 23.3313, 11.8146,
10.7236


 23.3313, 11.8146,
10.7236


261.9258,
203.1740, 206.4302


 14.9604, 6.6176,
5.7695


 48.3994, 29.1570,
27.7767


 8.8777, 3.2241,
2.6389


 65.8273, 42.0711,
40.7128


 4.7180, 1.2498,
0.9124


 87.0049, 58.3264,
57.1466

 2.1158, 0.1018,
0.0000

 112.2975, 78.3073,
77.4966

 0.6978, 0.0000,
0.0000

 142.0706,
102.3980, 102.1815

 0.0000, 0.0000,
0.0000

 176.6894,

130.9832, 131.6196

216.5193,
164.4470, 166.2297

■ 23.3313, 11.8146,
10.7236

■ 23.3313, 11.8146,
10.7236

■ 23.3303, 11.8141,
10.7191

■ 24.0261, 12.4688,
13.2229

■ 25.0121, 13.6080,
16.1185

■ 26.3744, 15.3996,
19.4492

■ 28.1572, 17.9284,
23.2394

■ 30.3979, 21.2665,
27.5112

■ 33.1297, 25.4771,
32.2846

■ 36.3824, 30.6172,
37.5782

■ 40.1835, 36.7389,
43.4095

■ 44.5584, 43.8905,
49.7950

Harmonies

Analogous

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



21.9757, 11.8146, 27.8768



23.3313, 11.8146, 10.7236



20.7579, 11.8146, 2.8344

Triad

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



23.3313, 11.8146, 10.7236



6.6937, 11.8146, 1.0358



7.7147, 11.8146, 55.4092

Complementary

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



23.3313, 11.8146, 10.7236



20.9820, 38.2019, 18.5894

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.



5.1812, 11.8146, 34.9982



23.3313, 11.8146, 10.7236



4.7219, 11.8146, 4.5256

Square

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



23.3313, 11.8146, 10.7236



10.4548, 11.8146, 0.1978



4.2611, 11.8146, 15.2720



12.0414, 11.8146, 62.1005

Rectangle

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



23.3313, 11.8146, 10.7236



17.5004, 11.8146, 1.0482



4.2611, 11.8146, 15.2720



6.6702, 11.8146, 49.4468

Sweetspot

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



23.3316, 11.8153, 10.7238



64.8506, 54.3398, 66.8116



14.5174, 6.3983, 49.7597



13.6732, 11.0316, 13.7615



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.



23.3316, 11.8153, 10.7238



41.6645, 21.1111, 18.5630



21.5209, 11.1463, 1.0183



9.7122, 9.6092, 10.8735



15.3725, 7.7802, 7.2554



0.6352, 0.3180, 0.4583

Inverse Universe

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



23.3316, 11.8153, 10.7238



41.6645, 21.1111, 18.5630



27.3485, 39.6500, 55.5017



9.7122, 9.6092, 10.8735



15.3725, 7.7802, 7.2554



0.6352, 0.3180, 0.4583

Previews

White Background



This preview shows how the XYZ color 23.3313, 11.8146, 10.7236 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 23.3313, 11.8146, 10.7236 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 23.3313, 11.8146, 10.7236

Background



This preview shows how black text looks on a background with the XYZ color 23.3313, 11.8146, 10.7236.



This preview shows how white text looks on a background with the XYZ color 23.3313, 11.8146,

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

23.3313, 11.8146, 10.7236

Protanopia

12.6134, 12.5207, 22.8710

Deuteranopia

12.5546, 12.3710, 9.7088



Tritanopia

21.9205, 12.2019, 2.7900

Trichromacy



Original Color

23.3313, 11.8146, 10.7236



Protanomaly

13.5695, 9.1951, 17.2793



Deuteranomaly

14.4109, 9.6384, 9.6952



Tritanomaly

22.2312, 11.8358, 4.7272

Monochromacy



Original Color

23.3313, 11.8146, 10.7236



Achromatopsia

5.3350, 5.6128, 6.1124



Achromatomaly

8.8160, 5.6805, 7.2884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3313, 11.8146, 10.7236 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 90)  
}
```

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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 90) }
```

Border

The CSS property to change the border of an element to XYZ 23.3313, 11.8146, 10.7236 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, 90) }
```


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

```
.border{ border-color:rgb(191, 0, 90) }
```

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, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 90);  
box-shadow:4px 4px 4px 4px rgb(191, 0, 90)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.3313, 11.8146, 10.7236 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, 90) }
```

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

```
.background{ background-color: rgb(191, 0,  
90) }
```

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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