

Converting Colors

XYZ(27.1722, 15.7316, 23.3038)

Have a look what the booklet for
XYZ(27.1722, 15.7316, 23.3038)
contains.

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Color

**XYZ(27.1138, 15.6686,
23.4251)**

Conversions

Conversions Part 1

Format	Color
Hex	BF3984
RGB	191, 57, 132
RGB Percent	75%, 22%, 52%
CMY	0.2510, 0.7764, 0.4824
CMYK	0.00, 0.70, 0.31, 0.25
HSL	326°, 54%, 49%
HSV	326°, 70%, 75%
XYZ	27.1138, 15.6686, 23.4251
YIQ	105.6160, 55.7890, 51.7330

Conversions

Conversions Part 2

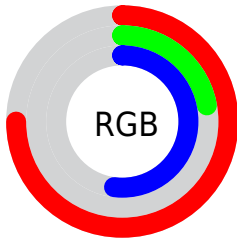
Format	Color
R_{YB}	191, 57, 132
Decimal	12532100
CIE _{Lab}	46.54, 59.59, -12.02
CIE _{LCh}	47, 60.790, 348.597
Yxy	15.6686, 0.4095, 0.2367
Android (android.graphics.Color)	4290722180 (0xFFBF3984)
YUV	105.6160, 13.0073, 74.8818
Hunter-Lab	39.5836, 52.9969, -7.3786

Details

The XYZ color **27.1138, 15.6686, 23.4251** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **23.4715, 39.3928, 22.8920**, and the grayscale version is **13.5506, 14.2563, 15.5252**.

A 20% lighter version of the original color is **54.5579, 36.0466, 49.9811**, and **11.2342, 5.6111, 8.6746** is the 20% darker color. If you saturate the color by 10%, you get **25.7882, 13.9016, 20.2573**, and if you desaturate by 10%, it is **28.8417, 18.1658, 26.9562**.

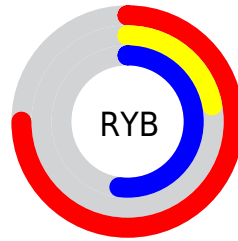
Distribution



Red (75%)

Green (22%)

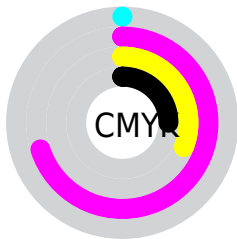
Blue (52%)



Red (75%)

Yellow (22%)

Blue (52%)

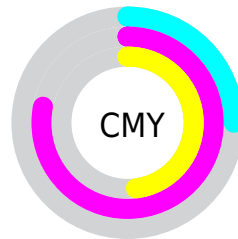


Cyan (0%)

Magenta (70%)

Yellow (31%)

Black (25%)



Cyan (25%)


Magenta (78%)


Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1138, 15.6686, 23.4251 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 27.1138, 15.6686, 23.4251 by changing the saturation by 10% instead.


 27.1138, 15.6686,
23.4251


 27.1138, 15.6686,
23.4251


280.3652,
227.3782, 283.0933


 17.7957, 9.2900,
14.6995


 54.4850, 36.0219,
50.0224

 10.9022, 4.9308,
8.4645


 73.2689, 50.7654,
68.7312


 6.0679, 2.2067,
4.3016


 95.9388, 69.0659,
91.6047

 2.9275, 0.7236,
1.7922

 122.8599, 91.3079,
119.0616

 1.1155, 0.0000,
0.4228

 154.3978,
117.8757, 151.5204

 0.0381, 0.0000,
0.0000

190.9178,

 0.0000, 0.0000,

149.1537, 189.3996

0.0000

232.7851,
185.5264, 233.1177

■ 27.1138, 15.6686,
23.4251

■ 27.1138, 15.6686,
23.4251

■ 25.7882, 13.9016,
20.2573

■ 28.8417, 18.1658,
26.9562

■ 24.8204, 12.7776,
17.4322

■ 31.0074, 21.4626,
30.8672

■ 24.1343, 12.1357,
14.9522

■ 33.6436, 25.6230,
35.1743

■ 36.7795, 30.7036,
39.8919

■ 40.4418, 36.7563,
45.0338

■ 44.6553, 43.8292,
50.6127

■ 49.4430, 51.9670,
56.6409

■ 54.8268, 61.2117,
63.1299

■ 60.8272, 71.6034,
70.0909

Harmonies

Analogous

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



23.8007, 15.6686, 44.1449



27.1138, 15.6686, 23.4251



26.6288, 15.6686, 9.4134

Triad

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



27.1138, 15.6686, 23.4251



11.9048, 15.6686, 1.7224



9.1734, 15.6686, 49.1485

Complementary

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



27.1138, 15.6686, 23.4251



23.4715, 39.3928, 22.8920

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.



7.2386, 15.6686, 28.0168



27.1138, 15.6686, 23.4251



8.5413, 15.6686, 4.2078

Square

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



27.1138, 15.6686, 23.4251



16.9747, 15.6686, 1.5271



7.0382, 15.6686, 11.9677



12.9880, 15.6686, 63.8605

Rectangle

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



27.1138, 15.6686, 23.4251



24.2368, 15.6686, 4.6481



7.0382, 15.6686, 11.9677



8.3242, 15.6686, 42.1360

Sweetspot

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



27.1143, 15.6694, 23.4254



71.6071, 64.4583, 79.5290



17.9472, 10.3384, 50.3397



15.3074, 13.4626, 16.8872



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.



27.1143, 15.6694, 23.4254



45.2150, 23.7226, 33.5872



23.9310, 14.3961, 6.6627



9.7477, 9.6234, 11.0603



15.9018, 7.9919, 10.0426



0.6553, 0.3260, 0.5639

Inverse Universe

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



27.1143, 15.6694, 23.4254



45.2150, 23.7226, 33.5872



28.7690, 41.5118, 50.7886



9.7477, 9.6234, 11.0603



15.9018, 7.9919, 10.0426



0.6553, 0.3260, 0.5639

Previews

White Background



This preview shows how the XYZ color 27.1138, 15.6686, 23.4251 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 27.1138, 15.6686, 23.4251 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 27.1138, 15.6686, 23.4251

Background



This preview shows how black text looks on a background with the XYZ color 27.1138, 15.6686, 23.4251.



This preview shows how white text looks on a background with the XYZ color 27.1138, 15.6686,

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

27.1138, 15.6686, 23.4251

Protanopia

16.8465, 15.9755, 39.7318

Deuteranopia

16.1345, 15.8506, 21.6111



Tritanopia

24.1154, 15.7213, 8.6010

Trichromacy



Original Color

27.1138, 15.6686, 23.4251

Protanomaly

18.4093, 14.2247, 33.2278

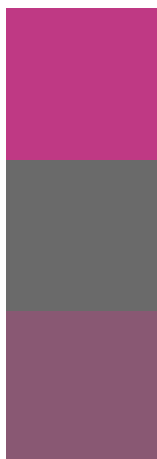
Deuteranomaly

18.7964, 14.5429, 22.2385

Tritanomaly

24.8575, 15.5502, 12.7577

Monochromacy



Original Color

27.1138, 15.6686, 23.4251

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

16.9008, 13.5356, 17.9415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1138, 15.6686, 23.4251 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, 57, 132)` looks like.

```
.text, #text, p{  
    color:rgb(191, 57, 132)  
}
```

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, 57, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 57, 132) }
```

Border

The CSS property to change the border of an element to XYZ 27.1138, 15.6686, 23.4251 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, 57, 132) }
```


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

```
.border{ border-color:rgb(191, 57, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 57, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 57, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 57, 132);  
box-shadow:4px 4px 4px 4px rgb(191, 57,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1138, 15.6686, 23.4251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 57, 132) }
```

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

```
.background{ background-color: rgb(191, 57,  
132) }
```

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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