

Converting Colors

XYZ(30.7284, 22.2868, 29.0371)

Have a look what the booklet for
XYZ(30.7284, 22.2868, 29.0371)
contains.

XYZ(30.7717, 22.3352, 29.0748)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.7717, 22.3352,
29.0748)**

Conversions

Conversions Part 1

Format	Color
Hex	BD6690
RGB	189, 102, 144
RGB Percent	74%, 40%, 56%
CMY	0.2588, 0.6000, 0.4353
CMYK	0.00, 0.46, 0.24, 0.26
HSL	331°, 40%, 57%
HSV	331°, 46%, 74%
XYZ	30.7717, 22.3352, 29.0748
YIQ	132.8010, 38.3700, 31.5060

Conversions

Conversions Part 2

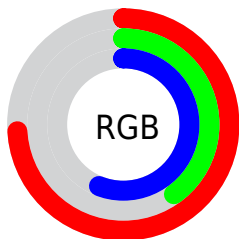
Format	Color
R _Y B	189, 102, 144
Decimal	12412560
CIE Lab	54.38, 39.96, -7.44
CIE LCh	54, 40.648, 349.448
Yxy	22.3352, 0.3744, 0.2718
Android (android.graphics.Color)	4290602640 (0xFFBD6690)
YUV	132.8010, 5.5211, 49.2865
Hunter-Lab	47.2601, 33.5185, -3.3936

Details

The XYZ color **30.7717, 22.3352, 29.0748** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **28.9446, 41.3272, 34.0573**, and the grayscale version is **22.1935, 23.3493, 25.4273**.

A 20% lighter version of the original color is **60.2722, 47.2941, 59.3781**, and **12.8771, 8.1624, 11.4865** is the 20% darker color. If you saturate the color by 10%, you get **28.4064, 18.7490, 24.7581**, and if you desaturate by 10%, it is **33.6264, 26.7963, 33.8744**.

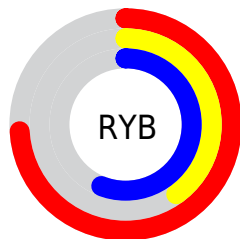
Distribution



Red (74%)

Green (40%)

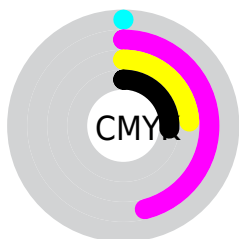
Blue (56%)



Red (74%)

Yellow (40%)

Blue (56%)

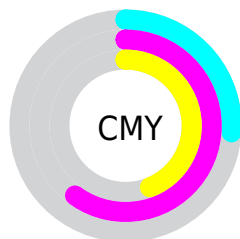


Cyan (0%)

Magenta (46%)

Yellow (24%)

Black (26%)



Cyan (26%)

Magenta (60%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7717, 22.3352, 29.0748 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 30.7717, 22.3352, 29.0748 by changing the saturation by 10% instead.


 30.7717, 22.3352,
29.0748


 30.7717, 22.3352,
29.0748


297.3309,
264.2918, 311.6397


 20.5760, 14.1034,
18.8913


 60.2587, 47.2994,
59.2395


 12.9251, 8.1926,
11.4158


 80.2808, 64.8006,
80.0578

 7.4537, 4.2185,
6.2295


 104.3091, 86.1603,
105.2582

 3.7962, 1.7965,
2.9141

 132.7090,
111.7631, 135.2592

 1.5875, 0.4850,
1.0510

165.8457,
141.9932, 170.4793

 0.3843, 0.0000,
0.0000

204.0847,

 0.0000, 0.0000,

177.2351, 211.3370

0.0000

247.7913,
217.8732, 258.2510

■ 30.7717, 22.3352,
29.0748

■ 30.7717, 22.3352,
29.0748

■ 28.4064, 18.7490,
24.7581

■ 33.6264, 26.7963,
33.8744

■ 26.4978, 15.9754,
20.9046

■ 36.9966, 32.1824,
39.1727

■ 25.0121, 13.9493,
17.4949

■ 40.9087, 38.5438,
44.9863

■ 23.9092, 12.5935,
14.5069

■ 45.3867, 45.9262,
51.3302

■ 23.1388, 11.8102,
11.9148

■ 50.4531, 54.3722,
58.2191

■ 22.8849, 11.5783,
10.9798

■ 56.1291, 63.9221,
65.6669

■ 62.4349, 74.6141,
73.6870

■ 69.3898, 86.4846,
82.2921

■ 71.3102, 88.1644,
89.5941

Harmonies

Analogous

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



28.3954, 22.3352, 43.9195



30.7717, 22.3352, 29.0748



30.3350, 22.3352, 17.0559

Triad

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



30.7717, 22.3352, 29.0748



18.5125, 22.3352, 7.7871



16.1503, 22.3352, 48.0159

Complementary

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



30.7717, 22.3352, 29.0748



28.9446, 41.3272, 34.0573

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.



14.1562, 22.3352, 33.3977



30.7717, 22.3352, 29.0748



15.3828, 22.3352, 11.6395

Square

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



30.7717, 22.3352, 29.0748



22.8303, 22.3352, 7.3368



13.8963, 22.3352, 20.1127



19.7043, 22.3352, 57.1258

Rectangle

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



30.7717, 22.3352, 29.0748



28.5238, 22.3352, 11.8615



13.8963, 22.3352, 20.1127



15.2977, 22.3352, 43.3869

Sweetspot

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



30.7723, 22.3363, 29.0752



74.6387, 71.2809, 82.5500



25.9614, 19.3766, 50.5161



15.6986, 14.7514, 17.2433



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.



30.7723, 22.3363, 29.0752



50.9328, 33.6642, 44.4507



28.2806, 21.5696, 15.2445



9.7168, 9.6110, 10.8979



15.4359, 7.8055, 7.5890



0.6377, 0.3190, 0.4714

Inverse Universe

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



30.7723, 22.3363, 29.0752



50.9328, 33.6642, 44.4507



32.5528, 42.2739, 54.5883



9.7168, 9.6110, 10.8979



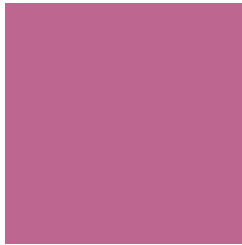
15.4359, 7.8055, 7.5890



0.6377, 0.3190, 0.4714

Previews

White Background



This preview shows how the XYZ color 30.7717, 22.3352, 29.0748 looks on a white background.

Color Contrast Check

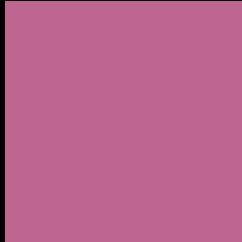
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 30.7717, 22.3352, 29.0748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

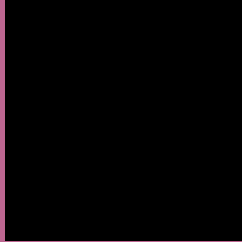
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.7717, 22.3352, 29.0748

Background



This preview shows how black text looks on a background with the XYZ color 30.7717, 22.3352, 29.0748.



This preview shows how white text looks on a background with the XYZ color 30.7717, 22.3352,

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

30.7717, 22.3352, 29.0748

Protanopia

22.5402, 22.5201, 37.3412

Deuteranopia

22.9705, 22.5612, 27.9550



Tritanopia

28.7068, 22.4020, 19.0307

Trichromacy



Original Color

30.7717, 22.3352, 29.0748

Protanomaly

24.5458, 21.7633, 33.9174

Deuteranomaly

25.1908, 22.0481, 28.1273

Tritanomaly

29.4134, 22.3792, 22.5080

Monochromacy



Original Color

30.7717, 22.3352, 29.0748

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

24.6118, 22.4975, 26.7122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7717, 22.3352, 29.0748 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, 102, 144)` looks like.

```
.text, #text, p{  
    color:rgb(189, 102, 144)  
}
```

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, 102, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 102, 144) }
```

Border

The CSS property to change the border of an element to XYZ 30.7717, 22.3352, 29.0748 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, 102, 144) }
```


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

```
.border{ border-color:rgb(189, 102, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 102, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 102, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 102, 144);  
box-shadow:4px 4px 4px 4px rgb(189, 102,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7717, 22.3352, 29.0748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 102, 144) }
```

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

```
.background{ background-color: rgb(189,  
102, 144) }
```

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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