

Converting Colors

XYZ(27.7130, 16.0949, 28.4340)

Have a look what the booklet for
XYZ(27.7130, 16.0949, 28.4340)
contains.

XYZ(27.7130, 16.0949, 28.4340)	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(27.7130, 16.0949,
28.4340)**

Conversions

Conversions Part 1

Format	Color
Hex	BD3C91
RGB	189, 60, 145
RGB Percent	74%, 24%, 57%
CMY	0.2588, 0.7647, 0.4314
CMYK	0.00, 0.68, 0.23, 0.26
HSL	320°, 52%, 49%
HSV	320°, 68%, 74%
XYZ	27.7130, 16.0949, 28.4340
YIQ	108.2610, 49.5990, 53.7830

Conversions

Conversions Part 2

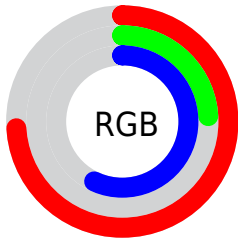
Format	Color
R_{YB}	189, 60, 145
Decimal	12401809
CIE _{Lab}	47.10, 59.57, -19.05
CIE _{LCh}	47, 62.545, 342.271
Yxy	16.0949, 0.3836, 0.2228
Android (android.graphics.Color)	4290591889 (0xFFBD3C91)
YUV	108.2610, 18.1123, 70.8081
Hunter-Lab	40.1184, 53.0968, -13.9389

Details

The XYZ color **27.7130, 16.0949, 28.4340** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **22.5607, 38.3560, 19.3131**, and the grayscale version is **14.2690, 15.0121, 16.3481**.

A 20% lighter version of the original color is **55.3815, 36.8026, 58.2175**, and **11.5361, 5.7137, 11.0845** is the 20% darker color. If you saturate the color by 10%, you get **26.4107, 14.2632, 25.6164**, and if you desaturate by 10%, it is **29.3980, 18.6464, 31.5186**.

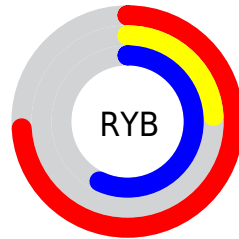
Distribution



Red (74%)

Green (24%)

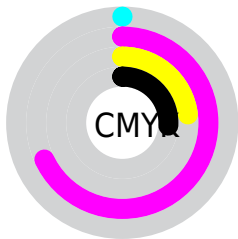
Blue (57%)



Red (74%)

Yellow (24%)

Blue (57%)

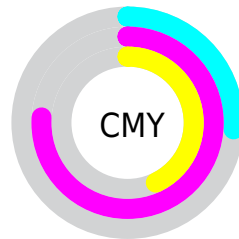


Cyan (0%)

Magenta (68%)

Yellow (23%)

Black (26%)



Cyan (26%)


Magenta (76%)


Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7130, 16.0949, 28.4340 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 27.7130, 16.0949, 28.4340 by changing the saturation by 10% instead.


 27.7130, 16.0949,
28.4340


 27.7130, 16.0949,
28.4340


283.1980,
229.9011, 308.5119


 18.2488, 9.5913,
18.4112


 55.4378, 36.7629,
58.2080


 11.2295, 5.1289,
11.0731


 74.4290, 51.6961,
78.7963


 6.2899, 2.3231,
6.0012


 97.3266, 70.2079,
103.7435

 3.0644, 0.7859,
2.7770

 124.4960, 92.6829,
133.4681

 1.1879, 0.0000,
0.9819

 156.3025,
119.5052, 168.3887

 0.0968, 0.0000,
0.0000

193.1114,

 0.0000, 0.0000,

151.0595, 208.9239

0.0000

235.2881,
187.7299, 255.4921

■ 27.7130, 16.0949,
28.4340

■ 27.7130, 16.0949,
28.4340

■ 26.4107, 14.2632,
25.6164

■ 29.3980, 18.6464,
31.5186

■ 25.4494, 13.0695,
23.0493

■ 31.4985, 21.9832,
34.8830

■ 24.7663, 12.3883,
20.7095

■ 34.0454, 26.1661,
38.5398

■ 24.6582, 12.2876,
20.3176

■ 37.0659, 31.2491,
42.5003

■ 40.5852, 37.2817,
46.7748

■ 44.6267, 44.3100,
51.3733

■ 49.2120, 52.3768,
56.3049

■ 54.3618, 61.5225,
61.5786

■ 60.0954, 71.7854,
67.2026

Harmonies

Analogous

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



23.5513, 16.0949, 50.7545



27.7130, 16.0949, 28.4340



28.1013, 16.0949, 11.8536

Triad

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



27.7130, 16.0949, 28.4340



13.1625, 16.0949, 1.4748



8.7418, 16.0949, 46.7307

Complementary

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



27.7130, 16.0949, 28.4340



22.5607, 38.3560, 19.3131

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.



7.1288, 16.0949, 24.7655



27.7130, 16.0949, 28.4340



9.2403, 16.0949, 3.3243

Square

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



27.7130, 16.0949, 28.4340



18.7418, 16.0949, 1.6225



7.2863, 16.0949, 9.8379



12.3037, 16.0949, 64.9577

Rectangle

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



27.7130, 16.0949, 28.4340



26.0689, 16.0949, 5.8334



7.2863, 16.0949, 9.8379



7.9968, 16.0949, 39.1232

Sweetspot

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



27.7135, 16.0957, 28.4343



71.3077, 64.3912, 82.1416



16.3957, 9.7905, 49.1700



14.9451, 13.1781, 17.1962



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.



27.7135, 16.0957, 28.4343



46.3585, 24.3302, 43.4974



24.1069, 14.6531, 9.4422



9.7879, 9.6395, 11.2721



16.6276, 8.2822, 13.8646



0.6808, 0.3362, 0.6984

Inverse Universe

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



27.7135, 16.0957, 28.4343



46.3585, 24.3302, 43.4974



27.0832, 40.1649, 43.1280



9.7879, 9.6395, 11.2721



16.6276, 8.2822, 13.8646



0.6808, 0.3362, 0.6984

Previews

White Background



This preview shows how the XYZ color 27.7130, 16.0949, 28.4340 looks on a white background.

Color Contrast Check

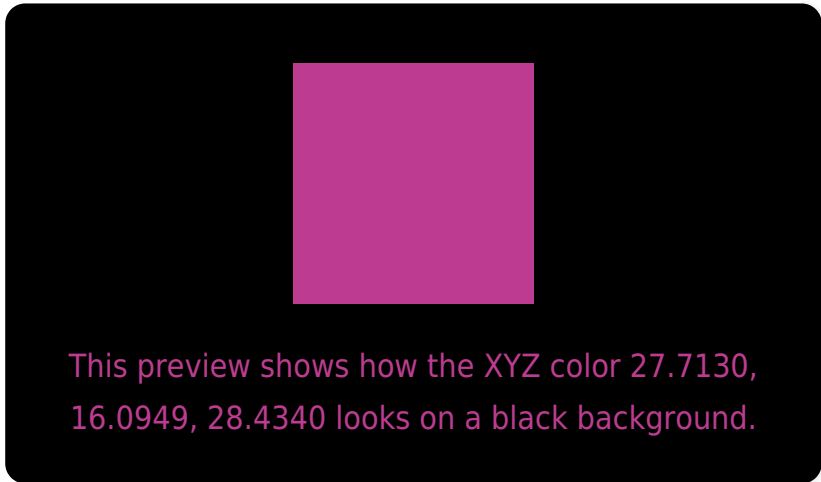
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

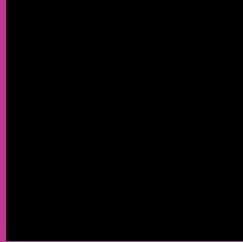
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.7130, 16.0949, 28.4340

Background



This preview shows how black text looks on a background with the XYZ color 27.7130, 16.0949, 28.4340.



This preview shows how white text looks on a background with the XYZ color 27.7130, 16.0949,

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

27.7130, 16.0949, 28.4340

Protanopia

17.6905, 16.4098, 47.0348

Deuteranopia

16.5938, 16.3018, 26.3167



Tritanopia

23.9440, 16.1073, 9.8297

Trichromacy



Original Color

27.7130, 16.0949, 28.4340



Protanomaly

19.0146, 14.6564, 39.3629



Deuteranomaly

19.2823, 15.0663, 27.0911



Tritanomaly

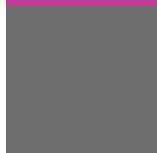
25.0527, 15.9655, 15.1258

Monochromacy



Original Color

27.7130, 16.0949, 28.4340



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

17.5088, 14.1810, 19.9036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7130, 16.0949, 28.4340 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, 60, 145)` looks like.

```
.text, #text, p{  
    color:rgb(189, 60, 145)  
}
```

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, 60, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 60, 145) }
```

Border

The CSS property to change the border of an element to XYZ 27.7130, 16.0949, 28.4340 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, 60, 145) }
```


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

```
.border{ border-color:rgb(189, 60, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 60, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 60, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 60, 145);  
box-shadow:4px 4px 4px 4px rgb(189, 60,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7130, 16.0949, 28.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 60, 145) }
```

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

```
.background{ background-color: rgb(189, 60,  
145) }
```

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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