

Converting Colors

XYZ(27.3446, 17.2700, 20.8758)

Have a look what the booklet for
XYZ(27.3446, 17.2700, 20.8758)
contains.

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Color

**XYZ(27.3221, 17.2999,
20.9680)**

Conversions

Conversions Part 1

Format	Color
Hex	BE4A7C
RGB	190, 74, 124
RGB Percent	75%, 29%, 49%
CMY	0.2549, 0.7098, 0.5137
CMYK	0.00, 0.61, 0.35, 0.25
HSL	334°, 47%, 52%
HSV	334°, 61%, 75%
XYZ	27.3221, 17.2999, 20.9680
YIQ	114.3840, 53.0860, 40.1420

Conversions

Conversions Part 2

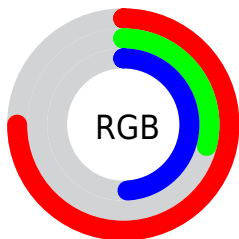
Format	Color
R_{YB}	190, 74, 124
Decimal	12470908
CIE _{Lab}	48.64, 51.38, -4.05
CIE _{LCh}	49, 51.543, 355.489
Yxy	17.2999, 0.4166, 0.2638
Android (android.graphics.Color)	4290660988 (0xFFBE4A7C)
YUV	114.3840, 4.7407, 66.3152
Hunter-Lab	41.5931, 44.4668, -0.7742

Details

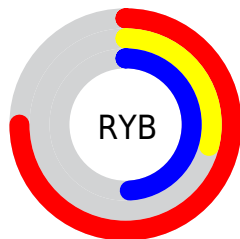
The XYZ color **27.3221, 17.2999, 20.9680** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **25.9721, 40.1767, 31.1992**, and the grayscale version is **16.0852, 16.9229, 18.4290**.

A 20% lighter version of the original color is **54.6226, 38.7127, 45.6677**, and **11.0514, 5.7116, 7.1766** is the 20% darker color. If you saturate the color by 10%, you get **25.5931, 14.8767, 17.2014**, and if you desaturate by 10%, it is **29.5101, 20.5209, 25.2577**.

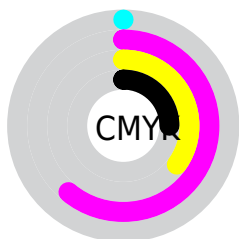
Distribution



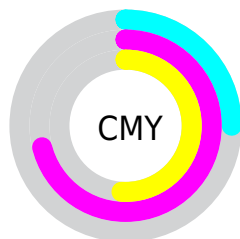
- Red (75%)
- Green (29%)
- Blue (49%)



- Red (75%)
- Yellow (29%)
- Blue (49%)



- Cyan (0%)
- Magenta (61%)
- Yellow (35%)
- Black (25%)





- Cyan (25%)
- Magenta (71%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.3221, 17.2999, 20.9680 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 27.3221, 17.2999, 20.9680 by changing the saturation by 10% instead.


 27.3221, 17.2999,
20.9680


 27.3221, 17.2999,
20.9680

281.3525,
236.8947, 269.8838


 17.9531, 10.4485,
12.9096


 54.8166, 38.8407,
45.9144


 11.0158, 5.6974,
7.2363


 73.6727, 54.2989,
63.6394


 6.1448, 2.6619,
3.5297


 96.4220, 73.3949,
85.4238

 2.9749, 0.9579,
1.3710

 123.4298, 96.5130,
111.6859

 1.1405, 0.0000,
0.1190

 155.0613,
124.0376, 142.8445

 0.0586, 0.0000,
0.0000

191.6821,

 0.0000, 0.0000,

156.3532, 179.3180

0.0000

233.6573,
193.8441, 221.5249

■ 27.3221, 17.2999,
20.9680

■ 27.3221, 17.2999,
20.9680

■ 25.5931, 14.8767,
17.2014

■ 29.5101, 20.5209,
25.2577

■ 24.2834, 13.1761,
13.9325

■ 32.1891, 24.6005,
30.0921

■ 23.3488, 12.1134,
11.1340

■ 35.3899, 29.5964,
35.4926

■ 22.7542, 11.5547,
8.9921

■ 39.1402, 35.5609,
41.4786

■ 43.4658, 42.5420,
48.0689

■ 48.3906, 50.5846,
55.2810

■ 53.9372, 59.7309,
63.1320

■ 60.1270, 70.0208,
71.6379

■ 66.9805, 81.4922,
80.8144

Harmonies

Analogous

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



25.1679, 17.2999, 37.8642



27.3221, 17.2999, 20.9680



26.1333, 17.2999, 9.6792

Triad

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



27.3221, 17.2999, 20.9680



12.8201, 17.2999, 3.7230



11.7955, 17.2999, 49.6249

Complementary

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



27.3221, 17.2999, 20.9680



25.9721, 40.1767, 31.1992

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.



9.5042, 17.2999, 32.4716



27.3221, 17.2999, 20.9680



10.0111, 17.2999, 7.5699

Square

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



27.3221, 17.2999, 20.9680



17.1713, 17.2999, 2.9483



8.9199, 17.2999, 16.8549



15.7357, 17.2999, 58.7529

Rectangle

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



27.3221, 17.2999, 20.9680



23.7066, 17.2999, 5.6697



8.9199, 17.2999, 16.8549



10.8391, 17.2999, 44.2986

Sweetspot

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



27.3226, 17.3008, 20.9683



72.9835, 67.7429, 78.3481



22.5143, 14.1686, 50.2636



15.5446, 14.1018, 16.4580



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.



27.3226, 17.3008, 20.9683



45.5565, 25.8589, 29.2208



25.4692, 17.4370, 8.5029



9.6963, 9.6028, 10.7896



15.1680, 7.6983, 6.1782



0.6270, 0.3147, 0.4149

Inverse Universe

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



27.3226, 17.3008, 20.9683



45.5565, 25.8589, 29.2208



28.9016, 38.7393, 54.6695



9.6963, 9.6028, 10.7896



15.1680, 7.6983, 6.1782



0.6270, 0.3147, 0.4149

Previews

White Background



This preview shows how the XYZ color 27.3221, 17.2999, 20.9680 looks on a white background.

Color Contrast Check

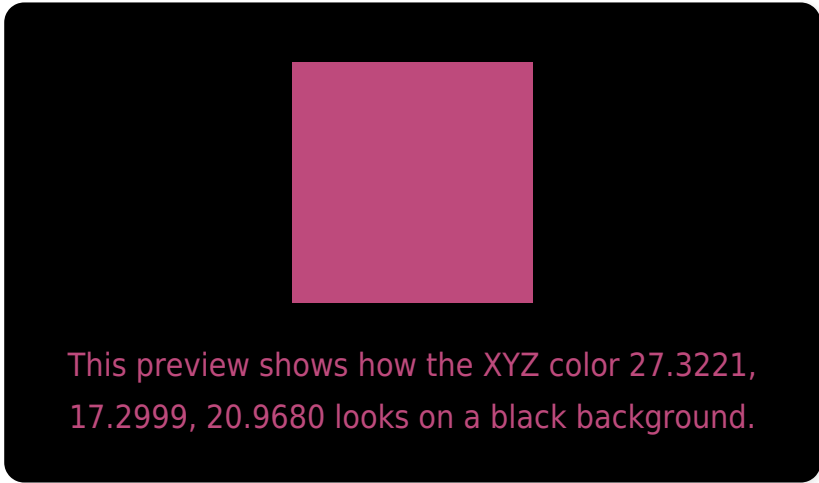
Large Text (above 18pt) WCAG AA ✓ Pass

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

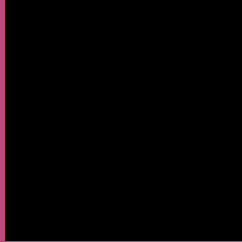
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.3221, 17.2999, 20.9680

Background



This preview shows how black text looks on a background with the XYZ color 27.3221, 17.2999, 20.9680.



This preview shows how white text looks on a background with the XYZ color 27.3221, 17.2999,

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

27.3221, 17.2999, 20.9680

Protanopia

17.6992, 17.5893, 31.3164

Deuteranopia

17.7793, 17.5539, 19.5907



Tritanopia

25.2311, 17.2875, 11.0238

Trichromacy



Original Color

27.3221, 17.2999, 20.9680

Protanomaly

19.6814, 16.3558, 27.3190

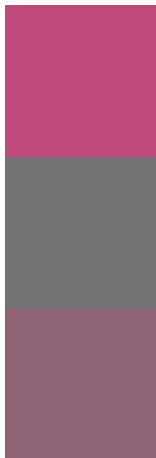
Deuteranomaly

20.2464, 16.6693, 19.9197

Tritanomaly

25.8353, 17.2034, 14.0155

Monochromacy



Original Color

27.3221, 17.2999, 20.9680

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

18.8872, 15.9825, 19.2290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3221, 17.2999, 20.9680 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(190, 74, 124)` looks like.

```
.text, #text, p{  
    color:rgb(190, 74, 124)  
}
```

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(190, 74, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 74, 124) }
```

Border

The CSS property to change the border of an element to XYZ 27.3221, 17.2999, 20.9680 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(190, 74, 124) }
```


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

```
.border{ border-color:rgb(190, 74, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 74, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 74, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 74, 124);  
box-shadow:4px 4px 4px 4px rgb(190, 74,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3221, 17.2999, 20.9680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 74, 124) }
```

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

```
.background{ background-color: rgb(190, 74,  
124) }
```

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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