

Converting Colors

XYZ(27.4317, 13.6971, 21.3644)

Have a look what the booklet for
XYZ(27.4317, 13.6971, 21.3644)
contains.

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Color

**XYZ(27.3840, 13.6744,
21.2748)**

Conversions

Conversions Part 1

Format	Color
Hex	C7007F
RGB	199, 0, 127
RGB Percent	78%, 0%, 50%
CMY	0.2196, 0.9999, 0.5020
CMYK	0.00, 1.00, 0.36, 0.22
HSL	322°, 100%, 39%
HSV	322°, 100%, 78%
XYZ	27.3840, 13.6744, 21.2748
YIQ	73.9790, 77.8370, 81.6850

Conversions

Conversions Part 2

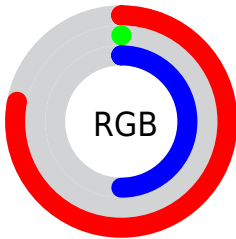
Format	Color
RYB	199, 0, 127
Decimal	13041791
CIELab	43.76, 72.64, -13.02
CIElCh	44, 73.796, 349.840
Yxy	13.6744, 0.4393, 0.2194
Android (android.graphics.Color)	4291231871 (0xFFC7007F)
YUV	73.9790, 26.1394, 109.6434
Hunter-Lab	36.9789, 67.4715, -8.2256

Details

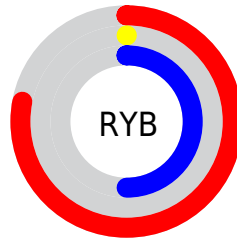
The XYZ color **27.3840, 13.6744, 21.2748** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **21.5947, 41.3155, 12.9730**, and the grayscale version is **6.4538, 6.7899, 7.3943**.

A 20% lighter version of the original color is **52.9679, 31.5347, 46.4751**, and **12.0226, 6.0390, 7.7397** is the 20% darker color. If you saturate the color by 10%, you get **27.3833, 13.6742, 21.2709**, and if you desaturate by 10%, it is **28.1194, 14.3669, 23.9190**.

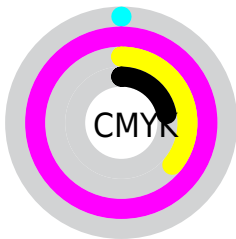
Distribution



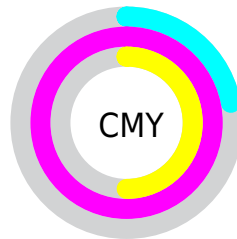
- Red (78%)
- Green (0%)
- Blue (50%)



- Red (78%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (22%)





- Cyan (22%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3840, 13.6744, 21.2748 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 27.3840, 13.6744, 21.2748 by changing the saturation by 10% instead.


 27.3840, 13.6744,
21.2748


 27.3840, 13.6744,
21.2748


281.6454,
215.1957, 271.5642

 17.9999, 7.8946,
13.1318


 54.9150, 32.5102,
46.4311


 11.0496, 4.0276,
7.3876


 73.7926, 46.3349,
64.2816


 6.1677, 1.6890,
3.6236


 96.5655, 63.6100,
86.2049

 2.9890, 0.4165,
1.4212

 123.5989, 84.7200,
112.6197

 1.1479, 0.0000,
0.1582

 155.2582,
110.0491, 143.9445

 0.0647, 0.0000,
0.0000

 191.9088,

 0.0000, 0.0000,

139.9819, 180.5978

0.0000

233.9161,
174.9026, 222.9982

■ 27.3840, 13.6744,
21.2748

■ 27.3840, 13.6744,
21.2748

■ 27.3833, 13.6742,
21.2709

■ 28.1194, 14.3669,
23.9190

■ 29.1442, 15.5836,
26.8285

■ 30.5484, 17.5032,
30.0366

■ 32.3794, 20.2195,
33.5622

■ 34.6772, 23.8117,
37.4217

■ 37.4770, 28.3492,
41.6298

■ 40.8107, 33.8945,
46.2001

■ 44.7073, 40.5049,
51.1451

■ 49.1935, 48.2330,
56.4765

Harmonies

Analogous

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



23.5394, 13.6744, 46.5169



27.3840, 13.6744, 21.2748



26.5899, 13.6744, 6.4569

Triad

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



27.3840, 13.6744, 21.2748



9.5626, 13.6744, 0.4221



7.0422, 13.6744, 55.1616

Complementary

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



27.3840, 13.6744, 21.2748



21.5947, 41.3155, 12.9730

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.



5.0670, 13.6744, 28.5998



27.3840, 13.6744, 21.2748



6.1930, 13.6744, 2.3200

Square

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



27.3840, 13.6744, 21.2748



15.0687, 13.6744, 0.1967



4.8111, 13.6744, 9.9291



11.1247, 13.6744, 73.7930

Rectangle

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



27.3840, 13.6744, 21.2748



23.5989, 13.6744, 2.3597



4.8111, 13.6744, 9.9291



6.1686, 13.6744, 46.2257

Sweetspot

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



27.3844, 13.6752, 21.2750



71.1690, 58.8637, 80.5136



12.8113, 5.4141, 54.4028



14.6775, 11.6702, 16.4863



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.3844, 13.6752, 21.2750



47.8261, 23.8944, 36.6121



23.7864, 12.2360, 2.3282



10.9139, 10.7490, 12.5300



17.6512, 8.8100, 13.9051



0.8696, 0.4307, 0.8365

Inverse Universe

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



27.3844, 13.6752, 21.2750



47.8261, 23.8944, 36.6121



27.5999, 43.7176, 44.5962



10.9139, 10.7490, 12.5300



17.6512, 8.8100, 13.9051



0.8696, 0.4307, 0.8365

Previews

White Background



This preview shows how the XYZ color 27.3840, 13.6744, 21.2748 looks on a white background.

Color Contrast Check

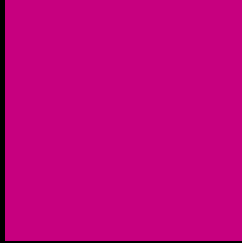
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3840, 13.6744, 21.2748 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 27.3840, 13.6744, 21.2748

Background



This preview shows how black text looks on a background with the XYZ color 27.3840, 13.6744, 21.2748.



This preview shows how white text looks on a background with the XYZ color 27.3840, 13.6744,

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

27.3840, 13.6744, 21.2748

Protanopia

15.8923, 14.4175, 46.2012

Deuteranopia

14.5507, 14.3235, 19.1373



Tritanopia

24.0086, 13.9985, 4.6854

Trichromacy



Original Color

27.3840, 13.6744, 21.2748



Protanomaly

15.9410, 10.3566, 35.3413



Deuteranomaly

16.5547, 11.0277, 19.3452



Tritanomaly

24.6927, 13.3333, 8.6693

Monochromacy



Original Color

27.3840, 13.6744, 21.2748



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

10.6000, 6.7453, 11.0992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3840, 13.6744, 21.2748 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(199, 0, 127)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 127)  
}
```

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(199, 0, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 127) }
```

Border

The CSS property to change the border of an element to XYZ 27.3840, 13.6744, 21.2748 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(199, 0, 127) }
```


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

```
.border{ border-color:rgb(199, 0, 127) }
```

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

Here you see how a box with a 4 pixel rgb(199, 0, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 127);  
box-shadow:4px 4px 4px 4px rgb(199, 0,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3840, 13.6744, 21.2748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 127) }
```

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

```
.background{ background-color: rgb(199, 0,  
127) }
```

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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