

Converting Colors

XYZ(24.1948, 6.4014, 30.5768)

Have a look what the booklet for
XYZ(24.1948, 6.4014, 30.5768)
contains.

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Color

**XYZ(27.8251, 13.6706,
31.7440)**

Conversions

Conversions Part 1

Format	Color
Hex	C1009A
RGB	193, 0, 154
RGB Percent	76%, 0%, 60%
CMY	0.2431, 0.9999, 0.3961
CMYK	0.00, 1.00, 0.20, 0.24
HSL	312°, 100%, 38%
HSV	312°, 100%, 76%
XYZ	27.8251, 13.6706, 31.7440
YIQ	75.2630, 65.5940, 88.8100

Conversions

Conversions Part 2

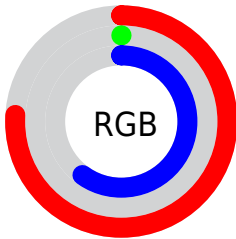
Format	Color
RYB	193, 0, 154
Decimal	12648602
CIELab	43.76, 74.43, -29.59
CIElCh	44, 80.092, 338.320
Yxy	13.6706, 0.3799, 0.1867
Android (android.graphics.Color)	4290838682 (0xFFC1009A)
YUV	75.2630, 38.8173, 103.2553
Hunter-Lab	36.9738, 69.6284, -25.0221

Details

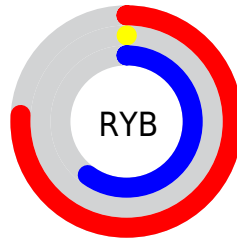
The XYZ color **27.8251, 13.6706, 31.7440** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **19.4372, 38.2871, 8.2879**, and the grayscale version is **6.6623, 7.0092, 7.6330**.

A 20% lighter version of the original color is **55.5064, 32.4655, 63.6626**, and **12.2298, 6.0276, 13.0892** is the 20% darker color. If you saturate the color by 10%, you get **27.8247, 13.6704, 31.7414**, and if you desaturate by 10%, it is **28.3940, 14.2798, 33.5628**.

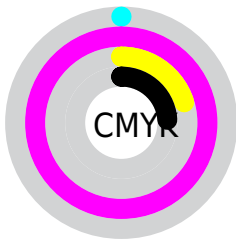
Distribution



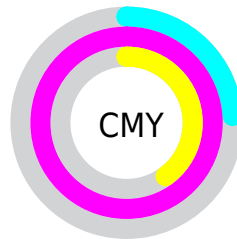
- Red (76%)
- Green (0%)
- Blue (60%)



- Red (76%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (24%)





- Cyan (24%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8251, 13.6706, 31.7440 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 27.8251, 13.6706, 31.7440 by changing the saturation by 10% instead.

 27.8251, 13.6706,
31.7440


 27.8251, 13.6706,
31.7440


283.7255,
215.1719, 324.4081


 18.3336, 7.8919,
20.9028


 55.6157, 32.5034,
63.5028


 11.2909, 4.0259,
12.8624

 74.6455, 46.3263,
85.2575


 6.3316, 1.6880,
7.2043


 97.5855, 63.5994,
111.4871

 3.0903, 0.4159,
3.5098

 124.8010, 84.7072,
142.6102

 1.2017, 0.0000,
1.3605

 156.6574,
110.0339, 179.0453

 0.1077, 0.0000,
0.1106

 193.5201,

 0.0000, 0.0000,

139.9640, 221.2110

0.0000

235.7543,
174.8818, 269.5258

■ 27.8251, 13.6706,
31.7440

■ 27.8251, 13.6706,
31.7440

■ 27.8247, 13.6704,
31.7414

■ 28.3940, 14.2798,
33.5628

■ 29.2099, 15.3661,
35.5165

■ 30.3577, 17.0990,
37.6338

■ 31.8808, 19.5650,
39.9297

■ 33.8157, 22.8373,
42.4169

■ 36.1946, 26.9800,
45.1065

■ 39.0467, 32.0510,
48.0088

■ 42.3981, 38.1030,
51.1328

■ 46.2736, 45.1848,
54.4873

Harmonies

Analogous

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



22.0513, 13.6706, 62.1067



27.8251, 13.6706, 31.7440



29.0553, 13.6706, 10.4057

Triad

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



27.8251, 13.6706, 31.7440



11.3173, 13.6706, 0.0000



5.6152, 13.6706, 48.4510

Complementary

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



27.8251, 13.6706, 31.7440



19.4372, 38.2871, 8.2879

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.



4.3118, 13.6706, 20.4944



27.8251, 13.6706, 31.7440



6.8338, 13.6706, 0.8813

Square

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



27.8251, 13.6706, 31.7440



18.0053, 13.6706, 0.0711



4.6711, 13.6706, 5.3913



9.0104, 13.6706, 76.0564

Rectangle

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



27.8251, 13.6706, 31.7440



26.8509, 13.6706, 3.7436



4.6711, 13.6706, 5.3913



4.9776, 13.6706, 38.1726

Sweetspot

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



27.8256, 13.6713, 31.7442



69.6639, 56.9218, 85.7219



10.4486, 4.2750, 50.7269



14.4606, 11.3465, 17.9079



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.



27.8256, 13.6713, 31.7442



49.7431, 24.4474, 56.3698



22.7546, 11.6429, 5.0406



10.4072, 10.2115, 12.2351



18.5358, 9.1041, 21.2651



0.8235, 0.4024, 1.0381

Inverse Universe

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



27.8256, 13.6713, 31.7442



49.7431, 24.4474, 56.3698



23.4514, 39.8928, 29.4263



10.4072, 10.2115, 12.2351



18.5358, 9.1041, 21.2651



0.8235, 0.4024, 1.0381

Previews

White Background



This preview shows how the XYZ color 27.8251, 13.6706, 31.7440 looks on a white background.

Color Contrast Check

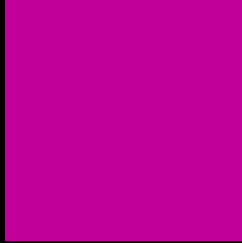
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8251, 13.6706, 31.7440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

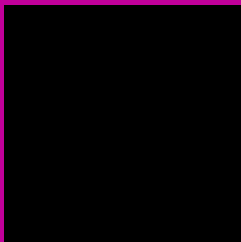
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.8251, 13.6706, 31.7440

Background



This preview shows how black text looks on a background with the XYZ color 27.8251, 13.6706, 31.7440.



This preview shows how white text looks on a background with the XYZ color 27.8251, 13.6706,

31.7440.

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

27.8251, 13.6706, 31.7440

Protanopia

17.2758, 14.5125, 67.5363

Deuteranopia

14.6004, 14.2939, 28.3750



Tritanopia

22.8439, 14.1468, 6.3771

Trichromacy



Original Color

27.8251, 13.6706, 31.7440



Protanomaly

14.1537, 8.9777, 52.0258



Deuteranomaly

16.4994, 10.7804, 29.2282



Tritanomaly

23.8695, 13.1329, 12.5861

Monochromacy



Original Color

27.8251, 13.6706, 31.7440



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

11.0269, 6.9649, 13.8599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8251, 13.6706, 31.7440 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(193, 0, 154)` looks like.

```
.text, #text, p{  
    color:rgb(193, 0, 154)  
}
```

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(193, 0, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 154) }
```

Border

The CSS property to change the border of an element to XYZ 27.8251, 13.6706, 31.7440 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(193, 0, 154) }
```


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

```
.border{ border-color:rgb(193, 0, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 0, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 154);  
box-shadow:4px 4px 4px 4px rgb(193, 0,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8251, 13.6706, 31.7440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 0, 154) }
```

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

```
.background{ background-color: rgb(193, 0,  
154) }
```

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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