

Converting Colors

XYZ(31.2844, 15.3904, 34.7757)

Have a look what the booklet for
XYZ(31.2844, 15.3904, 34.7757)
contains.

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Color

**XYZ(31.2470, 15.3754,
34.5786)**

Conversions

Conversions Part 1

Format	Color
Hex	CC00A0
RGB	204, 0, 160
RGB Percent	80%, 0%, 63%
CMY	0.2000, 0.9999, 0.3725
CMYK	0.00, 1.00, 0.22, 0.20
HSL	313°, 100%, 40%
HSV	313°, 100%, 80%
XYZ	31.2470, 15.3754, 34.5786
YIQ	79.2360, 70.2240, 93.0080

Conversions

Conversions Part 2

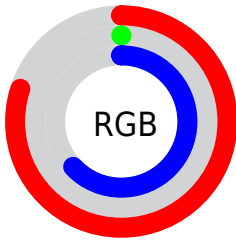
Format	Color
RYB	204, 0, 160
Decimal	13369504
CIELab	46.14, 77.22, -29.31
CIELCh	46, 82.597, 339.218
Yxy	15.3754, 0.3848, 0.1893
Android (android.graphics.Color)	4291559584 (0xFFCC00A0)
YUV	79.2360, 39.8167, 109.4180
Hunter-Lab	39.2115, 73.6237, -24.8368

Details

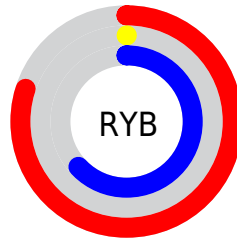
The XYZ color **31.2470, 15.3754, 34.5786** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **22.0486, 43.3683, 9.5949**, and the grayscale version is **7.3971, 7.7823, 8.4749**.

A 20% lighter version of the original color is **57.1619, 33.4786, 67.7392**, and **14.3838, 7.1025, 14.8002** is the 20% darker color. If you saturate the color by 10%, you get **31.2466, 15.3753, 34.5756**, and if you desaturate by 10%, it is **31.8970, 16.0480, 36.7286**.

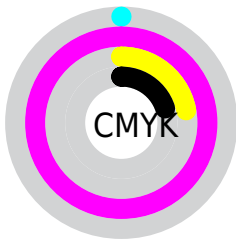
Distribution



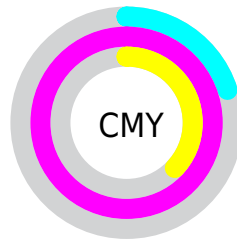
- Red (80%)
- Green (0%)
- Blue (63%)



- Red (80%)
- Yellow (0%)
- Blue (63%)



- Cyan (0%)
- Magenta (100%)
- Yellow (22%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2470, 15.3754, 34.5786 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 31.2470, 15.3754, 34.5786 by changing the saturation by 10% instead.


 31.2470, 15.3754,
34.5786


 31.2470, 15.3754,
34.5786


299.4812,
225.6273, 337.5519

 20.9398, 9.0833,
23.0575


 61.0019, 35.5104,
67.9766


 13.1922, 4.7955,
14.4303


 81.1803, 50.1221,
90.6905


 7.6389, 2.1278,
8.2784


 105.3798, 68.2757,
117.9725

 3.9146, 0.6802,
4.1833

 133.9658, 90.3557,
150.2411

 1.6540, 0.0000,
1.7264

 167.3036,
116.7465, 187.9148

 0.4272, 0.0000,
0.3787

 205.7585,

 0.0000, 0.0000,

147.8324, 231.4121

0.0000

249.6959,
183.9979, 281.1517

■ 31.2470, 15.3754,
34.5786

■ 31.2470, 15.3754,
34.5786

■ 31.2466, 15.3753,
34.5756

■ 31.8970, 16.0480,
36.7286

■ 32.8320, 17.2689,
39.0414

■ 34.1456, 19.2247,
41.5491

■ 35.8877, 22.0151,
44.2688

■ 38.1004, 25.7241,
47.2152

■ 40.8207, 30.4253,
50.4014

■ 44.0818, 36.1851,
53.8390

■ 47.9141, 43.0639,
57.5388

■ 52.3456, 51.1176,
61.5107

Harmonies

Analogous

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



24.9361, 15.3754, 68.2182



31.2470, 15.3754, 34.5786



32.4318, 15.3754, 11.2736

Triad

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



31.2470, 15.3754, 34.5786



12.5535, 15.3754, 0.0000



6.4431, 15.3754, 55.0907

Complementary

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



31.2470, 15.3754, 34.5786



22.0486, 43.3683, 9.5949

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.



4.9192, 15.3754, 23.7406



31.2470, 15.3754, 34.5786



7.6245, 15.3754, 1.0937

Square

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



31.2470, 15.3754, 34.5786



19.9545, 15.3754, 0.1633



5.2683, 15.3754, 6.4188



10.3228, 15.3754, 85.2954

Rectangle

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



31.2470, 15.3754, 34.5786



29.8728, 15.3754, 4.0619



5.2683, 15.3754, 6.4188



5.7055, 15.3754, 43.6436

Sweetspot

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



31.2475, 15.3762, 34.5789



72.7659, 59.5025, 88.9226



11.8070, 4.8282, 57.4367



15.0605, 11.8234, 18.5031



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.



31.2475, 15.3762, 34.5789



51.6643, 25.4297, 56.8237



25.7506, 13.1775, 5.6327



11.5799, 11.3607, 13.5883



19.7024, 9.6916, 21.9493



1.0429, 0.5106, 1.2718

Inverse Universe

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



31.2475, 15.3762, 34.5789



51.6643, 25.4297, 56.8237



26.5369, 45.1636, 33.2300



11.5799, 11.3607, 13.5883



19.7024, 9.6916, 21.9493



1.0429, 0.5106, 1.2718

Previews

White Background



This preview shows how the XYZ color 31.2470, 15.3754, 34.5786 looks on a white background.

Color Contrast Check

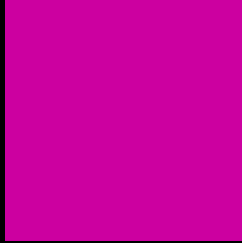
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2470, 15.3754, 34.5786 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 31.2470, 15.3754, 34.5786

Background



This preview shows how black text looks on a background with the XYZ color 31.2470, 15.3754, 34.5786.



This preview shows how white text looks on a background with the XYZ color 31.2470, 15.3754,

34.5786.

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

31.2470, 15.3754, 34.5786

Protanopia

19.3914, 16.1999, 74.7779

Deuteranopia

16.4478, 16.1206, 31.0989



Tritanopia

25.5258, 15.6841, 6.8362

Trichromacy



Original Color

31.2470, 15.3754, 34.5786



Protanomaly

16.6844, 10.4245, 57.6327



Deuteranomaly

18.5041, 12.1167, 31.9353



Tritanomaly

26.6122, 14.5798, 13.4682

Monochromacy



Original Color

31.2470, 15.3754, 34.5786



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.1596, 7.6490, 15.0229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2470, 15.3754, 34.5786 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(204, 0, 160)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 160)  
}
```

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(204, 0, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 160) }
```

Border

The CSS property to change the border of an element to XYZ 31.2470, 15.3754, 34.5786 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(204, 0, 160) }
```


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

```
.border{ border-color:rgb(204, 0, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 0, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 160);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2470, 15.3754, 34.5786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 160) }
```

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

```
.background{ background-color: rgb(204, 0,  
160) }
```

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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