

Converting Colors

XYZ(31.2771, 15.7211, 19.6633)

Have a look what the booklet for
XYZ(31.2771, 15.7211, 19.6633)
contains.

XYZ(31.2444, 15.7013, 19.7962)	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(31.2444, 15.7013,
19.7962)**

Conversions

Conversions Part 1

Format	Color
Hex	D6007A
RGB	214, 0, 122
RGB Percent	84%, 0%, 48%
CMY	0.1608, 0.9998, 0.5216
CMYK	0.00, 1.00, 0.43, 0.16
HSL	326°, 100%, 42%
HSV	326°, 100%, 84%
XYZ	31.2444, 15.7013, 19.7962
YIQ	77.8940, 88.3820, 83.3100

Conversions

Conversions Part 2

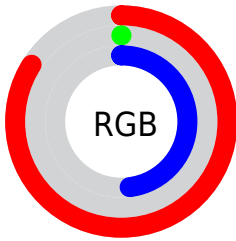
Format	Color
R_{YB}	214, 0, 122
Decimal	14024826
CIE _{Lab}	46.58, 75.33, -5.41
CIE _{LCh}	47, 75.528, 355.896
Yxy	15.7013, 0.4681, 0.2353
Android (android.graphics.Color)	4292214906 (0xFFD6007A)
YUV	77.8940, 21.7443, 119.3650
Hunter-Lab	39.6249, 71.4046, -1.8833

Details

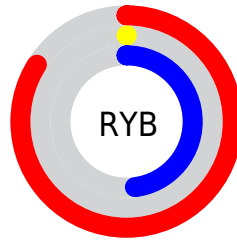
The XYZ color **31.2444, 15.7013, 19.7962** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **25.9808, 48.8668, 18.1982**, and the grayscale version is **7.1748, 7.5484, 8.2202**.

A 20% lighter version of the original color is **52.6211, 31.7982, 43.4086**, and **14.3729, 7.2667, 7.1236** is the 20% darker color. If you saturate the color by 10%, you get **31.2432, 15.7008, 19.7901**, and if you desaturate by 10%, it is **32.1183, 16.4931, 23.0352**.

Distribution



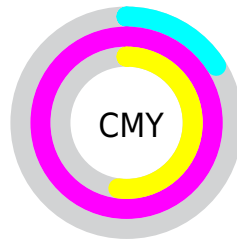
- Red (84%)
- Green (0%)
- Blue (48%)



- Red (84%)
- Yellow (0%)
- Blue (48%)



- Cyan (0%)
- Magenta (100%)
- Yellow (43%)
- Black (16%)





- Cyan (16%)
- Magenta (100%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2444, 15.7013, 19.7962 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 31.2444, 15.7013, 19.7962 by changing the saturation by 10% instead.


 31.2444, 15.7013,
19.7962


 31.2444, 15.7013,
19.7962


299.4695,
227.5726, 263.3773

 20.9378, 9.3130,
12.0644


 60.9979, 36.0789,
43.9297


 13.1907, 4.9459,
6.6645


 81.1754, 50.8370,
61.1685


 7.6379, 2.2156,
3.1779


 105.3740, 69.1538,
82.4133

 3.9140, 0.7285,
1.1862

 133.9589, 91.4137,
108.0827

 1.6536, 0.0000,
0.0000

 167.2956,
118.0012, 138.5953

 0.4270, 0.0000,
0.0000

 205.7493,

 0.0000, 0.0000,

149.3006, 174.3696

0.0000

249.6855,
185.6963, 215.8241

■ 31.2444, 15.7013,
19.7962

■ 31.2444, 15.7013,
19.7962

■ 31.2432, 15.7008,
19.7901

■ 32.1183, 16.4931,
23.0352

■ 33.3532, 17.9179,
26.6680

■ 35.0520, 20.1798,
30.7356

■ 37.2723, 23.3915,
35.2640

■ 40.0626, 27.6482,
40.2755

■ 43.4656, 33.0333,
45.7907

■ 47.5199, 39.6218,
51.8282

■ 52.2606, 47.4822,
58.4057

■ 57.7202, 56.6778,
65.5395

Harmonies

Analogous

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



27.8961, 15.7013, 46.1602



31.2444, 15.7013, 19.7962



29.2797, 15.7013, 5.7214

Triad

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



31.2444, 15.7013, 19.7962



10.0909, 15.7013, 0.8646



8.9406, 15.7013, 67.3827

Complementary

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



31.2444, 15.7013, 19.7962



25.9808, 48.8668, 18.1982

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.



6.2486, 15.7013, 38.0578



31.2444, 15.7013, 19.7962



6.7642, 15.7013, 3.8332

Square

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



31.2444, 15.7013, 19.7962



15.8388, 15.7013, 0.3479



5.5869, 15.7013, 14.6533



14.0443, 15.7013, 83.7268

Rectangle

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



31.2444, 15.7013, 19.7962



25.4586, 15.7013, 2.1032



5.5869, 15.7013, 14.6533



7.7889, 15.7013, 58.0060

Sweetspot

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



31.2448, 15.7022, 19.7964



70.4590, 58.5797, 76.7748



16.2764, 6.9894, 64.1094



14.5085, 11.6026, 15.5962



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.



31.2448, 15.7022, 19.7964



46.3780, 23.3152, 28.9863



27.8401, 14.3403, 1.8675



12.7169, 12.5382, 14.4493



18.9376, 9.5114, 12.2415



1.1834, 0.5901, 0.9549

Inverse Universe

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



31.2448, 15.7022, 19.7964



46.3780, 23.3152, 28.9863



34.0303, 52.0866, 60.5863



12.7169, 12.5382, 14.4493



18.9376, 9.5114, 12.2415



1.1834, 0.5901, 0.9549

Previews

White Background



This preview shows how the XYZ color 31.2444, 15.7013, 19.7962 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 31.2444, 15.7013, 19.7962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

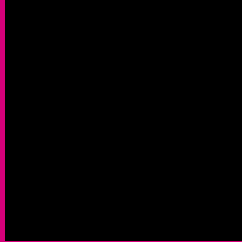
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.2444, 15.7013, 19.7962

Background



This preview shows how black text looks on a background with the XYZ color 31.2444, 15.7013, 19.7962.



This preview shows how white text looks on a background with the XYZ color 31.2444, 15.7013,

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

31.2444, 15.7013, 19.7962

Protanopia

17.4336, 16.3709, 42.7985

Deuteranopia

16.6177, 16.3405, 17.9010



Tritanopia

28.1897, 16.0373, 4.5155

Trichromacy



Original Color

31.2444, 15.7013, 19.7962



Protanomaly

18.0224, 11.8490, 32.7897



Deuteranomaly

18.9908, 12.5851, 17.9512



Tritanomaly

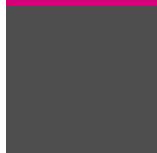
28.6585, 15.3507, 8.2900

Monochromacy



Original Color

31.2444, 15.7013, 19.7962



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

11.9134, 7.6014, 11.4290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2444, 15.7013, 19.7962 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(214, 0, 122)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 122)  
}
```

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(214, 0, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 122) }
```

Border

The CSS property to change the border of an element to XYZ 31.2444, 15.7013, 19.7962 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(214, 0, 122) }
```


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

```
.border{ border-color:rgb(214, 0, 122) }
```

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

Here you see how a box with a 4 pixel rgb(214, 0, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 122);  
box-shadow:4px 4px 4px 4px rgb(214, 0,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2444, 15.7013, 19.7962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 122) }
```

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

```
.background{ background-color: rgb(214, 0,  
122) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor