

# Converting Colors

XYZ(31.2540, 15.7119, 19.5418)

Have a look what the booklet for  
XYZ(31.2540, 15.7119, 19.5418)  
contains.

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# Color

**XYZ(31.1827, 15.6766,  
19.4715)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D60079
RGB	214, 0, 121
RGB Percent	84%, 0%, 47%
CMY	0.1608, 0.9998, 0.5255
CMYK	0.00, 1.00, 0.43, 0.16
HSL	326°, 100%, 42%
HSV	326°, 100%, 84%
XYZ	31.1827, 15.6766, 19.4715
YIQ	77.7800, 88.7030, 82.9990

# Conversions

## Conversions Part 2

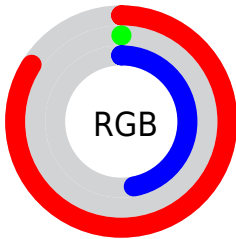
Format	Color
<b>R<sub>YB</sub></b>	214, 0, 121
Decimal	14024825
CIE <sub>Lab</sub>	46.55, 75.25, -4.84
CIE <sub>LCh</sub>	47, 75.404, 356.321
Yxy	15.6766, 0.4701, 0.2363
Android (android.graphics.Color)	4292214905 (0xFFD60079)
YUV	77.7800, 21.3075, 119.4649
Hunter-Lab	39.5937, 71.2918, -1.4422

# Details

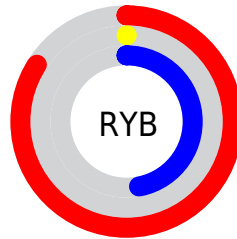
The XYZ color **31.1827, 15.6766, 19.4715** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **26.0247, 48.8843, 18.4299**, and the grayscale version is **7.1540, 7.5266, 8.1964**.

A 20% lighter version of the original color is **52.5239, 31.7593, 42.8970**, and **14.3395, 7.2533, 6.9476** is the 20% darker color. If you saturate the color by 10%, you get **31.1815, 15.6761, 19.4655**, and if you desaturate by 10%, it is **32.0574, 16.4687, 22.7147**.

# Distribution



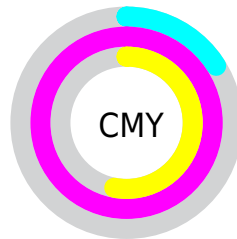
- Red (84%)
- Green (0%)
- Blue (47%)



- Red (84%)
- Yellow (0%)
- Blue (47%)



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




- Cyan (16%)
- Magenta (100%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1827, 15.6766, 19.4715 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 31.1827, 15.6766, 19.4715 by changing the saturation by 10% instead.




 31.1827, 15.6766,  
19.4715


 31.1827, 15.6766,  
19.4715


299.1910,  
227.4258, 261.5484


 20.8905, 9.2956,  
11.8312


 60.9015, 36.0358,  
43.3766


 13.1560, 4.9345,  
6.5077


 81.0588, 50.7829,  
60.4784


 7.6138, 2.2089,  
3.0824


 105.2352, 69.0874,  
81.5713

 3.8985, 0.7248,  
1.1369

 133.7961, 91.3338,  
107.0736

 1.6449, 0.0000,  
0.0000

 167.1067,  
117.9064, 137.4039

 0.4214, 0.0000,  
0.0000

 205.5325,

 0.0000, 0.0000,

149.1897, 172.9808

0.0000

249.4388,  
185.5680, 214.2228

■ 31.1827, 15.6766,  
19.4715

■ 31.1827, 15.6766,  
19.4715

■ 31.1815, 15.6761,  
19.4655

■ 32.0574, 16.4687,  
22.7147

■ 33.2941, 17.8943,  
26.3572

■ 34.9959, 20.1573,  
30.4406

■ 37.2203, 23.3706,  
34.9907

■ 40.0159, 27.6294,  
40.0305

■ 43.4256, 33.0171,  
45.5805

■ 47.4877, 39.6087,  
51.6598

■ 52.2377, 47.4728,  
58.2860

■ 57.7079, 56.6725,  
65.4758

# Harmonies

## Analogous

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



27.9130, 15.6766, 45.6186



31.1827, 15.6766, 19.4715



29.1501, 15.6766, 5.6067

# Triad

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



31.1827, 15.6766, 19.4715



10.0158, 15.6766, 0.8856



8.9869, 15.6766, 67.5635

# Complementary

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



31.1827, 15.6766, 19.4715



26.0247, 48.8843, 18.4299

# 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.



6.2687, 15.6766, 38.3755



31.1827, 15.6766, 19.4715



6.7300, 15.6766, 3.9175

# Square

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



31.1827, 15.6766, 19.4715



15.7169, 15.6766, 0.3500



5.5821, 15.6766, 14.8730



14.1122, 15.6766, 83.5318



# Rectangle

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



31.1827, 15.6766, 19.4715



25.3095, 15.6766, 2.0617



5.5821, 15.6766, 14.8730



7.8263, 15.6766, 58.2658

# Sweetspot

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



31.1831, 15.6775, 19.4717



70.4111, 58.5606, 76.5226



16.6277, 7.1705, 64.1258



14.4971, 11.5981, 15.5364



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.



31.1831, 15.6775, 19.4717



46.2863, 23.2785, 28.5034



27.8133, 14.3296, 1.7264



12.7144, 12.5372, 14.4361



18.9004, 9.4965, 12.0455



1.1812, 0.5893, 0.9436



# Inverse Universe

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



31.1831, 15.6775, 19.4717



46.2863, 23.2785, 28.5034



34.4415, 52.2511, 62.7521



12.7144, 12.5372, 14.4361



18.9004, 9.4965, 12.0455



1.1812, 0.5893, 0.9436



# Previews

## White Background



This preview shows how the XYZ color 31.1827, 15.6766, 19.4715 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 31.1827, 15.6766, 19.4715 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

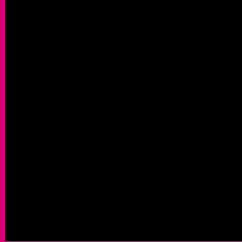
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# XYZ 31.1827, 15.6766, 19.4715

## Background



This preview shows how black text looks on a background with the XYZ color 31.1827, 15.6766, 19.4715.



This preview shows how white text looks on a background with the XYZ color 31.1827, 15.6766,



# 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

31.1827, 15.6766, 19.4715

### Protanopia

17.3357, 16.3317, 42.2830

### Deuteranopia

16.5616, 16.3181, 17.6060



## Tritanopia

28.1897, 16.0373, 4.5155

# Trichromacy



## Original Color

31.1827, 15.6766, 19.4715



## Protanomaly

17.9381, 11.8152, 32.3455



## Deuteranomaly

18.9329, 12.5620, 17.6465



## Tritanomaly

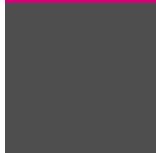
28.6240, 15.3369, 8.1083

# Monochromacy



## Original Color

31.1827, 15.6766, 19.4715



## 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 31.1827, 15.6766, 19.4715 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, 121)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 121)  
}
```

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, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 31.1827, 15.6766, 19.4715 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, 121) }
```



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

```
.border{ border-color:rgb(214, 0, 121) }
```

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, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 121);  
box-shadow:4px 4px 4px 4px rgb(214, 0,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.1827, 15.6766, 19.4715 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, 121) }
```

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

```
.background{ background-color: rgb(214, 0,  
121) }
```

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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