

Converting Colors

XYZ(31.7043, 15.8920, 21.9129)

Have a look what the booklet for
XYZ(31.7043, 15.8920, 21.9129)
contains.

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Color

**XYZ(31.6278, 15.8547,
21.8154)**

Conversions

Conversions Part 1

Format	Color
Hex	D60080
RGB	214, 0, 128
RGB Percent	84%, 0%, 50%
CMY	0.1608, 0.9998, 0.4980
CMYK	0.00, 1.00, 0.40, 0.16
HSL	324°, 100%, 42%
HSV	324°, 100%, 84%
XYZ	31.6278, 15.8547, 21.8154
YIQ	78.5780, 86.4560, 85.1760

Conversions

Conversions Part 2

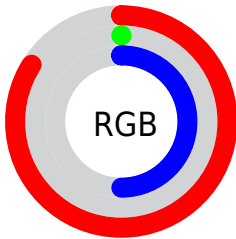
Format	Color
RYB	214, 0, 128
Decimal	14024832
CIELab	46.78, 75.86, -8.78
CIELCh	47, 76.371, 353.396
Yxy	15.8547, 0.4564, 0.2288
Android (android.graphics.Color)	4292214912 (0xFFD60080)
YUV	78.5780, 24.3650, 118.7651
Hunter-Lab	39.8180, 72.1029, -4.6111

Details

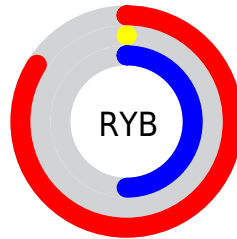
The XYZ color **31.6278, 15.8547, 21.8154** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **25.7286, 48.7659, 16.8705**, and the grayscale version is **7.2996, 7.6797, 8.3632**.

A 20% lighter version of the original color is **53.3216, 32.0784, 47.0974**, and **14.5482, 7.3368, 8.0465** is the 20% darker color. If you saturate the color by 10%, you get **31.6265, 15.8541, 21.8090**, and if you desaturate by 10%, it is **32.4947, 16.6437, 25.0175**.

Distribution



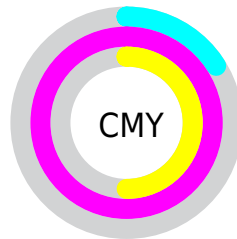
- Red (84%)
- Green (0%)
- Blue (50%)



- Red (84%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (16%)





- Cyan (16%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6278, 15.8547, 21.8154 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 31.6278, 15.8547, 21.8154 by changing the saturation by 10% instead.


 31.6278, 15.8547,
21.8154


 31.6278, 15.8547,
21.8154


301.1958,
228.4828, 274.5027


 21.2315, 9.4214,
13.5243


 61.5963, 36.3458,
47.3390


 13.4068, 5.0170,
7.6556


 81.8992, 51.1723,
65.4085


 7.7882, 2.2573,
3.7908


 106.2351, 69.5654,
87.5747

 4.0104, 0.7510,
1.5113

 134.9692, 91.9095,
114.2559

 1.7080, 0.0000,
0.2263

 168.4670,
118.5888, 145.8708

 0.4613, 0.0000,
0.0000

 207.0938,

 0.0000, 0.0000,

149.9879, 182.8378

0.0000

251.2149,
186.4911, 225.5756

■ 31.6278, 15.8547,
21.8154

■ 31.6278, 15.8547,
21.8154

■ 31.6265, 15.8541,
21.8090

■ 32.4947, 16.6437,
25.0175

■ 33.7163, 18.0633,
28.5801

■ 35.3953, 20.3173,
32.5432

■ 37.5889, 23.5185,
36.9310

■ 40.3455, 27.7618,
41.7649

■ 43.7076, 33.1306,
47.0638

■ 47.7133, 39.6997,
52.8454

■ 52.3977, 47.5377,
59.1261

■ 57.7931, 56.7076,
65.9212

Harmonies

Analogous

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



27.8069, 15.8547, 49.5012



31.6278, 15.8547, 21.8154



30.0733, 15.8547, 6.4393

Triad

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



31.6278, 15.8547, 21.8154



10.5498, 15.8547, 0.7389



8.6703, 15.8547, 66.3448

Complementary

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



31.6278, 15.8547, 21.8154



25.7286, 48.7659, 16.8705

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.



6.1311, 15.8547, 36.2162



31.6278, 15.8547, 21.8154



6.9726, 15.8547, 3.3562

Square

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



31.6278, 15.8547, 21.8154



16.5848, 15.8547, 0.3354



5.6167, 15.8547, 13.3927



13.6493, 15.8547, 84.9395

Rectangle

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



31.6278, 15.8547, 21.8154



26.3707, 15.8547, 2.3618



5.6167, 15.8547, 13.3927



7.5701, 15.8547, 56.5005

Sweetspot

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



31.6283, 15.8556, 21.8156



70.7486, 58.6956, 78.2998



15.9416, 6.8168, 64.0936



14.5773, 11.6302, 15.9587



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.



31.6283, 15.8556, 21.8156



46.9487, 23.5435, 31.9916



27.8714, 14.3529, 2.0325



12.7319, 12.5443, 14.5283



19.1690, 9.6039, 13.4597



1.1966, 0.5954, 1.0248

Inverse Universe

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



31.6283, 15.8556, 21.8156



46.9487, 23.5435, 31.9916



33.6286, 51.9259, 58.4712



12.7319, 12.5443, 14.5283



19.1690, 9.6039, 13.4597



1.1966, 0.5954, 1.0248

Previews

White Background



This preview shows how the XYZ color 31.6278, 15.8547, 21.8154 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 31.6278, 15.8547, 21.8154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

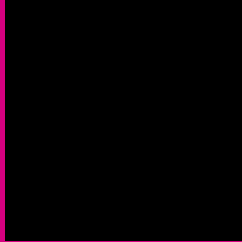
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.6278, 15.8547, 21.8154

Background



This preview shows how black text looks on a background with the XYZ color 31.6278, 15.8547, 21.8154.



This preview shows how white text looks on a background with the XYZ color 31.6278, 15.8547,

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

31.6278, 15.8547, 21.8154

Protanopia

17.9923, 16.7144, 47.6253

Deuteranopia

16.7909, 16.5487, 19.7620



Tritanopia

28.3820, 16.3172, 4.9025

Trichromacy



Original Color

31.6278, 15.8547, 21.8154



Protanomaly

18.3142, 12.0121, 36.4753



Deuteranomaly

19.2206, 12.7540, 19.8611



Tritanomaly

28.8284, 15.4611, 9.0543

Monochromacy



Original Color

31.6278, 15.8547, 21.8154



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.2004, 7.7335, 12.1589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6278, 15.8547, 21.8154 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 128)  
}
```

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, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 128) }
```

Border

The CSS property to change the border of an element to XYZ 31.6278, 15.8547, 21.8154 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, 128) }
```


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

```
.border{ border-color:rgb(214, 0, 128) }
```

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, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 128);  
box-shadow:4px 4px 4px 4px rgb(214, 0,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6278, 15.8547, 21.8154 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, 128) }
```

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

```
.background{ background-color: rgb(214, 0,  
128) }
```

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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