

Converting Colors

XYZ(32.0422, 16.2020, 15.7919)

Have a look what the booklet for
XYZ(32.0422, 16.2020, 15.7919)
contains.

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Color

**XYZ(31.9737, 16.1642,
15.9028)**

Conversions

Conversions Part 1

Format	Color
Hex	DB006D
RGB	219, 0, 109
RGB Percent	86%, 0%, 43%
CMY	0.1412, 0.9998, 0.5725
CMYK	0.00, 1.00, 0.50, 0.14
HSL	330°, 100%, 43%
HSV	330°, 100%, 86%
XYZ	31.9737, 16.1642, 15.9028
YIQ	77.9070, 95.5350, 80.3270

Conversions

Conversions Part 2

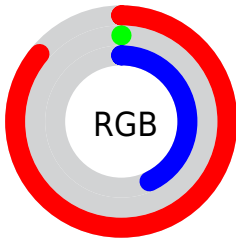
Format	Color
RYB	219, 0, 109
Decimal	14352493
CIELab	47.19, 75.37, 3.62
CIElCh	47, 75.460, 2.751
Yxy	16.1642, 0.4993, 0.2524
Android (android.graphics.Color)	4292542573 (0xFFDB006D)
YUV	77.9070, 15.3288, 123.7386
Hunter-Lab	40.2047, 71.5978, 4.6914

Details

The XYZ color **31.9737, 16.1642, 15.9028** 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 **28.1490, 51.7899, 23.2782**, and the grayscale version is **7.1883, 7.5627, 8.2357**.

A 20% lighter version of the original color is **51.3262, 31.2802, 36.5902**, and **14.7741, 7.5159, 5.2295** is the 20% darker color. If you saturate the color by 10%, you get **31.9723, 16.1636, 15.8960**, and if you desaturate by 10%, it is **32.8895, 16.9880, 19.3157**.

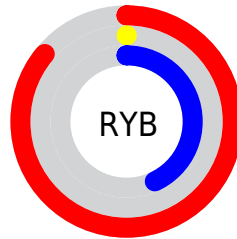
Distribution



Red (86%)

Green (0%)

Blue (43%)



Red (86%)

Yellow (0%)

Blue (43%)

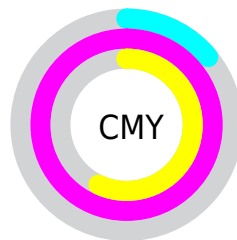


Cyan (0%)

Magenta (100%)

Yellow (50%)

Black (14%)



Cyan (14%)

Magenta (100%)

Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9737, 16.1642, 15.9028 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 31.9737, 16.1642, 15.9028 by changing the saturation by 10% instead.

 31.9737, 16.1642,
15.9028

 31.9737, 16.1642,
15.9028


302.7468,
230.3087, 240.5936


 21.4969, 9.6404,
9.3018


 62.1353, 36.8830,
37.1938


 13.6022, 5.1612,
4.8391

 82.5508, 51.8469,
52.7209


 7.9244, 2.3422,
2.0961


 107.0099, 70.3928,
72.0604

 4.0980, 0.7959,
0.6134

 135.8780, 92.9054,
95.6309

 1.7577, 0.0000,
0.0000

 169.5203,
119.7688, 123.8510

 0.4920, 0.0000,
0.0000

 208.3024,

 0.0000, 0.0000,

151.3676, 157.1391

0.0000

252.5894,
188.0861, 195.9137

■ 31.9737, 16.1642,
15.9028

■ 31.9737, 16.1642,
15.9028

■ 31.9723, 16.1636,
15.8960

■ 32.8895, 16.9880,
19.3157

■ 34.2054, 18.4889,
23.2404

■ 36.0298, 20.8802,
27.7254

■ 38.4247, 24.2820,
32.8028

■ 41.4424, 28.7953,
38.5014

■ 45.1291, 34.5088,
44.8471

■ 49.5262, 41.5023,
51.8641

■ 54.6717, 49.8485,
59.5749

■ 60.6008, 59.6146,
68.0010

Harmonies

Analogous

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



29.7417, 16.1642, 40.2163



31.9737, 16.1642, 15.9028



28.8000, 16.1642, 4.3031

Triad

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



31.9737, 16.1642, 15.9028



9.4391, 16.1642, 1.2806



10.2272, 16.1642, 74.2416

Complementary

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



31.9737, 16.1642, 15.9028



28.1490, 51.7899, 23.2782

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.



6.9320, 16.1642, 45.7234



31.9737, 16.1642, 15.9028



6.5778, 16.1642, 5.6043

Square

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



31.9737, 16.1642, 15.9028



14.7589, 16.1642, 0.4186



5.8128, 16.1642, 19.4140



15.9845, 16.1642, 85.2288

Rectangle

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



31.9737, 16.1642, 15.9028



24.4614, 16.1642, 1.5895



5.8128, 16.1642, 19.4140



8.8581, 16.1642, 65.7105

Sweetspot

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



31.9741, 16.1652, 15.9030



69.7282, 58.2874, 72.9263



19.1579, 8.4000, 67.6291



14.3354, 11.5334, 14.6849



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.



31.9741, 16.1652, 15.9030



45.0636, 22.7894, 22.0649



29.2141, 15.0611, 1.3687



13.3249, 13.1590, 14.9720



19.0134, 9.6064, 9.7166



1.2753, 0.6397, 0.8585

Inverse Universe

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



31.9741, 16.1652, 15.9030



45.0636, 22.7894, 22.0649



38.1181, 55.7775, 75.7746



13.3249, 13.1590, 14.9720



19.0134, 9.6064, 9.7166



1.2753, 0.6397, 0.8585

Previews

White Background



This preview shows how the XYZ color 31.9737, 16.1642, 15.9028 looks on a white background.

Color Contrast Check

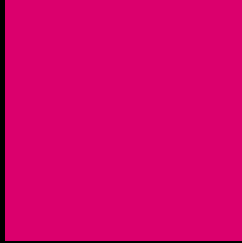
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9737, 16.1642, 15.9028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

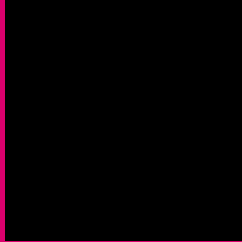
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.9737, 16.1642, 15.9028

Background



This preview shows how black text looks on a background with the XYZ color 31.9737, 16.1642, 15.9028.



This preview shows how white text looks on a background with the XYZ color 31.9737, 16.1642,

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

31.9737, 16.1642, 15.9028

Protanopia

17.2213, 16.7663, 34.6763

Deuteranopia

17.0821, 16.8178, 14.4024



Tritanopia

29.6188, 16.5011, 3.9094

Trichromacy



Original Color

31.9737, 16.1642, 15.9028



Protanomaly

18.3146, 12.2396, 26.2081



Deuteranomaly

19.5386, 13.0410, 14.3193



Tritanomaly

30.0203, 15.9408, 6.8048

Monochromacy



Original Color

31.9737, 16.1642, 15.9028



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

11.9970, 7.6696, 10.2993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9737, 16.1642, 15.9028 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(219, 0, 109)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 109)  
}
```

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(219, 0, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 109) }
```

Border

The CSS property to change the border of an element to XYZ 31.9737, 16.1642, 15.9028 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(219, 0, 109) }
```


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

```
.border{ border-color:rgb(219, 0, 109) }
```

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

Here you see how a box with a 4 pixel rgb(219, 0, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 109);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9737, 16.1642, 15.9028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 109) }
```

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

```
.background{ background-color: rgb(219, 0,  
109) }
```

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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