

Converting Colors

XYZ(33.1944, 16.6629, 21.8595)

Have a look what the booklet for
XYZ(33.1944, 16.6629, 21.8595)
contains.

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Color

**XYZ(33.1097, 16.6186,
21.8847)**

Conversions

Conversions Part 1

Format	Color
Hex	DB0080
RGB	219, 0, 128
RGB Percent	86%, 0%, 50%
CMY	0.1412, 0.9998, 0.4980
CMYK	0.00, 1.00, 0.42, 0.14
HSL	325°, 100%, 43%
HSV	325°, 100%, 86%
XYZ	33.1097, 16.6186, 21.8847
YIQ	80.0730, 89.4360, 86.2360

Conversions

Conversions Part 2

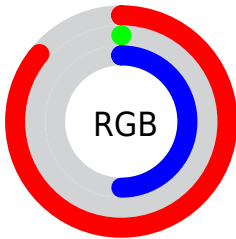
Format	Color
R_{YB}	219, 0, 128
Decimal	14352512
CIE _{Lab}	47.78, 76.91, -7.20
CIE _{LCh}	48, 77.251, 354.655
Yxy	16.6186, 0.4623, 0.2321
Android (android.graphics.Color)	4292542592 (0xFFDB0080)
YUV	80.0730, 23.6280, 121.8390
Hunter-Lab	40.7659, 73.6357, -3.2930

Details

The XYZ color **33.1097, 16.6186, 21.8847** 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 **27.2224, 51.4194, 18.3980**, and the grayscale version is **7.5874, 7.9825, 8.6930**.

A 20% lighter version of the original color is **53.4076, 32.2505, 47.1261**, and **15.5118, 7.8336, 8.0916** is the 20% darker color. If you saturate the color by 10%, you get **33.1084, 16.6181, 21.8782**, and if you desaturate by 10%, it is **34.0219, 17.4409, 25.2786**.

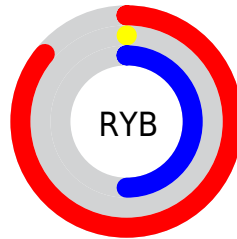
Distribution



Red (86%)

Green (0%)

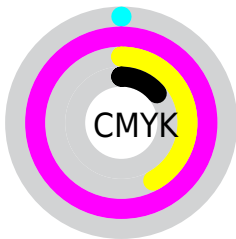
Blue (50%)



Red (86%)

Yellow (0%)

Blue (50%)

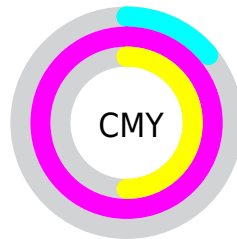


Cyan (0%)

Magenta (100%)

Yellow (42%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1097, 16.6186, 21.8847 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 33.1097, 16.6186, 21.8847 by changing the saturation by 10% instead.


 33.1097, 16.6186,
21.8847


 33.1097, 16.6186,
21.8847

307.8000,
232.9648, 274.8774


 22.3701, 9.9629,
13.5747


 63.9003, 37.6688,
47.4551

 14.2472, 5.3744,
7.6901


 84.6820, 52.8322,
65.5526


 8.3757, 2.4686,
3.8124


 109.5419, 71.6003,
87.7496

 4.3901, 0.8608,
1.5230

 138.8452, 94.3574,
114.4648

 1.9251, 0.0000,
0.2350

 172.9573,
121.4881, 146.1166

 0.5914, 0.0000,
0.0000

 212.2435,

 0.0000, 0.0000,

153.3766, 183.1236

0.0000

257.0693,
190.4073, 225.9044

■ 33.1097, 16.6186,
21.8847

■ 33.1097, 16.6186,
21.8847

■ 33.1084, 16.6181,
21.8782

■ 34.0219, 17.4409,
25.2786

■ 35.3125, 18.9316,
29.0704

■ 37.0889, 21.3037,
33.3024

■ 39.4118, 24.6766,
38.0012

■ 42.3327, 29.1511,
43.1897

■ 45.8965, 34.8154,
48.8891

■ 50.1440, 41.7490,
55.1183

■ 55.1121, 50.0242,
61.8954

■ 60.8353, 59.7078,
69.2370

Harmonies

Analogous

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



29.3376, 16.6186, 50.3381



33.1097, 16.6186, 21.8847



31.2520, 16.6186, 6.3926

Triad

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



33.1097, 16.6186, 21.8847



10.8662, 16.6186, 0.8504



9.2765, 16.6186, 70.4349

Complementary

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



33.1097, 16.6186, 21.8847



27.2224, 51.4194, 18.3980

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.



6.5209, 16.6186, 39.1222



33.1097, 16.6186, 21.8847



7.2330, 16.6186, 3.7844

Square

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



33.1097, 16.6186, 21.8847



17.0686, 16.6186, 0.3815



5.9006, 16.6186, 14.7699



14.5873, 16.6186, 88.8200

Rectangle

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



33.1097, 16.6186, 21.8847



27.2879, 16.6186, 2.3474



5.9006, 16.6186, 14.7699



8.0903, 16.6186, 60.3131

Sweetspot

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



33.1102, 16.6196, 21.8850



70.6071, 58.6390, 77.5546



16.7760, 7.1720, 67.5179



14.5436, 11.6167, 15.7815



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.



33.1102, 16.6196, 21.8850



46.6664, 23.4305, 30.5048



29.3581, 15.1187, 2.1270



13.3736, 13.1785, 15.2285



19.6875, 9.8760, 13.2663



1.3180, 0.6568, 1.0835

Inverse Universe

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



33.1102, 16.6196, 21.8850



46.6664, 23.4305, 30.5048



35.4221, 54.6993, 61.5772



13.3736, 13.1785, 15.2285



19.6875, 9.8760, 13.2663



1.3180, 0.6568, 1.0835

Previews

White Background



This preview shows how the XYZ color 33.1097, 16.6186, 21.8847 looks on a white background.

Color Contrast Check

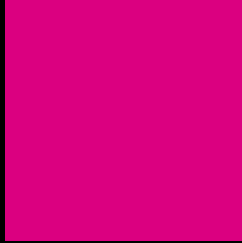
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.1097, 16.6186, 21.8847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

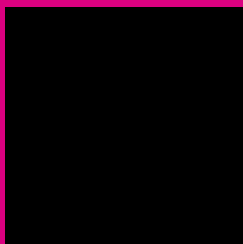
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.1097, 16.6186, 21.8847

Background



This preview shows how black text looks on a background with the XYZ color 33.1097, 16.6186, 21.8847.



This preview shows how white text looks on a background with the XYZ color 33.1097, 16.6186,

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

33.1097, 16.6186, 21.8847

Protanopia

18.5814, 17.3457, 47.7161

Deuteranopia

17.5814, 17.2802, 19.8615



Tritanopia

29.8280, 17.0627, 4.9701

Trichromacy



Original Color

33.1097, 16.6186, 21.8847



Protanomaly

19.1715, 12.5493, 36.5338



Deuteranomaly

20.0642, 13.2825, 19.9186



Tritanomaly

30.2834, 16.2111, 9.1224

Monochromacy



Original Color

33.1097, 16.6186, 21.8847



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

12.7016, 8.0560, 12.1948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1097, 16.6186, 21.8847 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(219, 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(219, 0, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 128) }
```

Border

The CSS property to change the border of an element to XYZ 33.1097, 16.6186, 21.8847 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, 128) }
```


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

```
.border{ border-color:rgb(219, 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(219, 0, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 128);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1097, 16.6186, 21.8847 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, 128) }
```

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

```
.background{ background-color: rgb(219, 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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