

Converting Colors

XYZ(33.9601, 17.0287, 23.2012)

Have a look what the booklet for
XYZ(33.9601, 17.0287, 23.2012)
contains.

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Color

**XYZ(33.9837, 17.0381,
23.3273)**

Conversions

Conversions Part 1

Format	Color
Hex	DD0084
RGB	221, 0, 132
RGB Percent	87%, 0%, 52%
CMY	0.1333, 0.9998, 0.4824
CMYK	0.00, 1.00, 0.40, 0.13
HSL	324°, 100%, 43%
HSV	324°, 100%, 87%
XYZ	33.9837, 17.0381, 23.3273
YIQ	81.1270, 89.3440, 87.9040

Conversions

Conversions Part 2

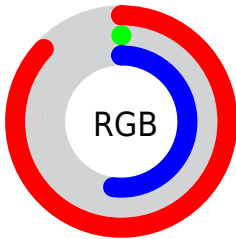
Format	Color
R_{YB}	221, 0, 132
Decimal	14483588
CIE _{Lab}	48.31, 77.69, -8.80
CIE _{LCh}	48, 78.186, 353.539
Yxy	17.0381, 0.4571, 0.2292
Android (android.graphics.Color)	4292673668 (0xFFDD0084)
YUV	81.1270, 25.0804, 122.6686
Hunter-Lab	41.2772, 74.7246, -4.6129

Details

The XYZ color **33.9837, 17.0381, 23.3273** 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 **27.6621, 52.4353, 18.1240**, and the grayscale version is **7.7906, 8.1963, 8.9258**.

A 20% lighter version of the original color is **53.9113, 32.5915, 49.3483**, and **16.0585, 8.0981, 8.9003** is the 20% darker color. If you saturate the color by 10%, you get **33.9825, 17.0376, 23.3210**, and if you desaturate by 10%, it is **34.9089, 17.8717, 26.7708**.

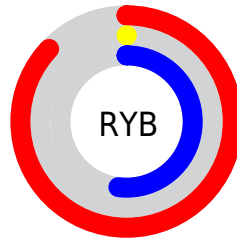
Distribution



Red (87%)

Green (0%)

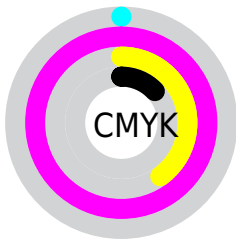
Blue (52%)



Red (87%)

Yellow (0%)

Blue (52%)

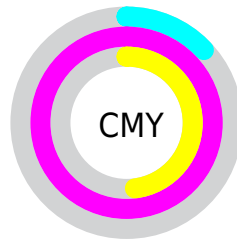


Cyan (0%)

Magenta (100%)

Yellow (40%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9837, 17.0381, 23.3273 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 33.9837, 17.0381, 23.3273 by changing the saturation by 10% instead.

 33.9837, 17.0381,
23.3273


 33.9837, 17.0381,
23.3273


311.6466,
235.3918, 282.5779


 23.0439, 10.2617,
14.6278


 65.2528, 38.3913,
49.8602


 14.7468, 5.5728,
8.4149


 86.3128, 53.7368,
68.5307


 8.7270, 2.5871,
4.2700


 111.4769, 72.7075,
91.3619

 4.6192, 0.9202,
1.7746

 141.1105, 95.6877,
118.7723

 2.0581, 0.0000,
0.4111

 175.5789,
123.0618, 151.1806

 0.6663, 0.0000,
0.0000

 215.2474,

 0.0000, 0.0000,

155.2143, 189.0053

0.0000

260.4816,
192.5295, 232.6649

■ 33.9837, 17.0381,
23.3273

■ 33.9837, 17.0381,
23.3273

■ 33.9825, 17.0376,
23.3210

■ 34.9089, 17.8717,
26.7708

■ 36.2179, 19.3875,
30.6046

■ 38.0197, 21.8020,
34.8714

■ 40.3765, 25.2373,
39.5975

■ 43.3406, 29.7966,
44.8059

■ 46.9582, 35.5702,
50.5174

■ 51.2704, 42.6390,
56.7511

■ 56.3153, 51.0770,
63.5247

■ 62.1278, 60.9528,
70.8548

Harmonies

Analogous

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



29.9048, 17.0381, 53.0133



33.9837, 17.0381, 23.3273



32.2863, 17.0381, 6.8775

Triad

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



33.9837, 17.0381, 23.3273



11.3147, 17.0381, 0.8117



9.3394, 17.0381, 71.4014

Complementary

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



33.9837, 17.0381, 23.3273



27.6621, 52.4353, 18.1240

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.



6.5997, 17.0381, 39.0542



33.9837, 17.0381, 23.3273



7.4841, 17.0381, 3.6372

Square

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



33.9837, 17.0381, 23.3273



17.7856, 17.0381, 0.3915



6.0375, 17.0381, 14.4767



14.7007, 17.0381, 91.2551

Rectangle

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



33.9837, 17.0381, 23.3273



28.2976, 17.0381, 2.5228



6.0375, 17.0381, 14.4767



8.1532, 17.0381, 60.8450

Sweetspot

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



33.9842, 17.0391, 23.3276



70.7399, 58.6921, 78.2538



17.1167, 7.3170, 68.9169



14.5752, 11.6293, 15.9478



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.



33.9842, 17.0391, 23.3276



46.9311, 23.5364, 31.8987



29.9655, 15.4316, 2.1654



13.3808, 13.1814, 15.2666



19.7983, 9.9204, 13.8499



1.3248, 0.6596, 1.1195

Inverse Universe

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



33.9842, 17.0391, 23.3276



46.9311, 23.5364, 31.8987



36.1548, 55.8324, 62.8459



13.3808, 13.1814, 15.2666



19.7983, 9.9204, 13.8499



1.3248, 0.6596, 1.1195

Previews

White Background



This preview shows how the XYZ color 33.9837, 17.0381, 23.3273 looks on a white background.

Color Contrast Check

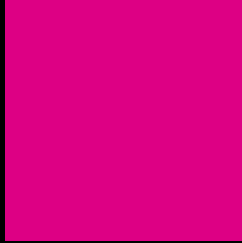
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.9837, 17.0381, 23.3273 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 33.9837, 17.0381, 23.3273

Background



This preview shows how black text looks on a background with the XYZ color 33.9837, 17.0381, 23.3273.



This preview shows how white text looks on a background with the XYZ color 33.9837, 17.0381,

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

33.9837, 17.0381, 23.3273

Protanopia

19.1331, 17.7350, 50.5589

Deuteranopia

17.8754, 17.5754, 20.8626



Tritanopia

30.5091, 17.4740, 5.2548

Trichromacy



Original Color

33.9837, 17.0381, 23.3273



Protanomaly

19.6038, 12.8265, 38.4883



Deuteranomaly

20.5805, 13.6147, 21.2818



Tritanomaly

30.9803, 16.6023, 9.5544

Monochromacy



Original Color

33.9837, 17.0381, 23.3273



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.0440, 8.2816, 12.9676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9837, 17.0381, 23.3273 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(221, 0, 132)` looks like.

```
.text, #text, p{  
    color:rgb(221, 0, 132)  
}
```

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(221, 0, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 0, 132) }
```

Border

The CSS property to change the border of an element to XYZ 33.9837, 17.0381, 23.3273 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(221, 0, 132) }
```


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

```
.border{ border-color:rgb(221, 0, 132) }
```

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

Here you see how a box with a 4 pixel rgb(221, 0, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 0, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 0, 132);  
box-shadow:4px 4px 4px 4px rgb(221, 0,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9837, 17.0381, 23.3273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 0, 132) }
```

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

```
.background{ background-color: rgb(221, 0,  
132) }
```

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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