

Converting Colors

XYZ(33.9980, 17.1254, 19.7170)

Have a look what the booklet for
XYZ(33.9980, 17.1254, 19.7170)
contains.

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Color

**XYZ(33.8826, 17.0685,
19.5979)**

Conversions

Conversions Part 1

Format	Color
Hex	DF0079
RGB	223, 0, 121
RGB Percent	87%, 0%, 47%
CMY	0.1255, 0.9998, 0.5255
CMYK	0.00, 1.00, 0.46, 0.13
HSL	327°, 100%, 44%
HSV	327°, 100%, 87%
XYZ	33.8826, 17.0685, 19.5979
YIQ	80.4710, 94.0670, 84.9070

Conversions

Conversions Part 2

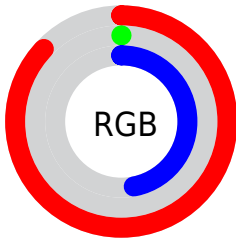
Format	Color
R_{YB}	223, 0, 121
Decimal	14614649
CIE Lab	48.35, 77.17, -1.98
CIE LCh	48, 77.198, 358.530
Yxy	17.0685, 0.4803, 0.2419
Android (android.graphics.Color)	4292804729 (0xFFDF0079)
YUV	80.4710, 19.9808, 124.9979
Hunter-Lab	41.3140, 74.0924, 0.7948

Details

The XYZ color **33.8826, 17.0685, 19.5979** 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 **28.7890, 53.7358, 21.4382**, and the grayscale version is **7.6717, 8.0712, 8.7896**.

A 20% lighter version of the original color is **52.6972, 32.1058, 42.9548**, and **15.9005, 8.0581, 7.0206** is the 20% darker color. If you saturate the color by 10%, you get **33.8811, 17.0678, 19.5904**, and if you desaturate by 10%, it is **34.8355, 17.9194, 23.1675**.

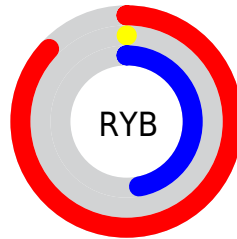
Distribution



Red (87%)

Green (0%)

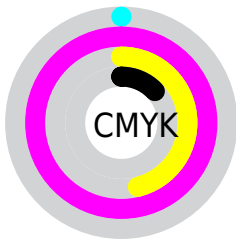
Blue (47%)



Red (87%)

Yellow (0%)

Blue (47%)

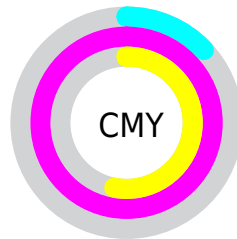


Cyan (0%)

Magenta (100%)

Yellow (46%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8826, 17.0685, 19.5979 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 33.8826, 17.0685, 19.5979 by changing the saturation by 10% instead.


 33.8826, 17.0685,
19.5979


 33.8826, 17.0685,
19.5979


311.2034,
235.5668, 262.2618


 22.9659, 10.2833,
11.9219


 65.0966, 38.4435,
43.5921


 14.6889, 5.5872,
6.5686


 86.1245, 53.8022,
60.7473


 8.6862, 2.5958,
3.1195


 111.2536, 72.7874,
81.8995

 4.5925, 0.9245,
1.1560

 140.8492, 95.7837,
107.4670

 2.0425, 0.0000,
0.0000

 175.2766,
123.1754, 137.8684

 0.6577, 0.0000,
0.0000

 214.9012,

 0.0000, 0.0000,

155.3469, 173.5224

0.0000

260.0883,
192.6825, 214.8473

■ 33.8826, 17.0685,
19.5979

■ 33.8826, 17.0685,
19.5979

■ 33.8811, 17.0678,
19.5904

■ 34.8355, 17.9194,
23.1675

■ 36.1943, 19.4733,
27.2086

■ 38.0709, 21.9506,
31.7677

■ 40.5293, 25.4764,
36.8750

■ 43.6236, 30.1564,
42.5572

■ 47.4014, 36.0832,
48.8384

■ 51.9057, 43.3398,
55.7410

■ 57.1756, 52.0021,
63.2857

■ 63.2474, 62.1401,
71.4923

Harmonies

Analogous

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



30.7370, 17.0685, 47.0867



33.8826, 17.0685, 19.5979



31.2722, 17.0685, 5.5311

Triad

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



33.8826, 17.0685, 19.5979



10.5751, 17.0685, 1.0911



10.1289, 17.0685, 75.1980

Complementary

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



33.8826, 17.0685, 19.5979



28.7890, 53.7358, 21.4382

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.



6.9947, 17.0685, 43.9549



33.8826, 17.0685, 19.5979



7.1950, 17.0685, 4.7976

Square

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



33.8826, 17.0685, 19.5979



16.5731, 17.0685, 0.4323



6.0996, 17.0685, 17.6070



15.8780, 17.0685, 90.6017

Rectangle

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



33.8826, 17.0685, 19.5979



26.9491, 17.0685, 2.0374



6.0996, 17.0685, 17.6070



8.8042, 17.0685, 65.4459

Sweetspot

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



33.8831, 17.0695, 19.5982



70.1785, 58.4675, 75.2975



18.6172, 8.0597, 70.3862



14.4419, 11.5760, 15.2458



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.



33.8831, 17.0695, 19.5982



45.8519, 23.1048, 26.2159



30.4934, 15.7136, 1.7485



14.0167, 13.8243, 15.8580



19.9794, 10.0588, 11.8231



1.4299, 0.7152, 1.0567

Inverse Universe

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



33.8831, 17.0695, 19.5982



45.8519, 23.1048, 26.2159



38.2532, 57.5215, 71.2762



14.0167, 13.8243, 15.8580



19.9794, 10.0588, 11.8231



1.4299, 0.7152, 1.0567

Previews

White Background



This preview shows how the XYZ color 33.8826, 17.0685, 19.5979 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 33.8826, 17.0685, 19.5979 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 33.8826, 17.0685, 19.5979

Background



This preview shows how black text looks on a background with the XYZ color 33.8826, 17.0685, 19.5979.



This preview shows how white text looks on a background with the XYZ color 33.8826, 17.0685,

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

33.8826, 17.0685, 19.5979

Protanopia

18.5946, 17.8043, 42.5009

Deuteranopia

18.0357, 17.7259, 17.8001



Tritanopia

30.8247, 17.3957, 4.6388

Trichromacy



Original Color

33.8826, 17.0685, 19.5979



Protanomaly

19.4543, 12.8824, 32.4716



Deuteranomaly

20.7217, 13.7650, 17.7844



Tritanomaly

31.2752, 16.7036, 8.2323

Monochromacy



Original Color

33.8826, 17.0685, 19.5979



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.0122, 8.2871, 11.9801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8826, 17.0685, 19.5979 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(223, 0, 121)` looks like.

```
.text, #text, p{  
    color:rgb(223, 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(223, 0, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 0, 121) }
```

Border

The CSS property to change the border of an element to XYZ 33.8826, 17.0685, 19.5979 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(223, 0, 121) }
```


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

```
.border{ border-color:rgb(223, 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(223, 0, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 0, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 0, 121);  
box-shadow:4px 4px 4px 4px rgb(223, 0,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8826, 17.0685, 19.5979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 0, 121) }
```

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

```
.background{ background-color: rgb(223, 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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