

Converting Colors

XYZ(23.5506, 6.9016, 32.0654)

Have a look what the booklet for
XYZ(23.5506, 6.9016, 32.0654)
contains.

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Color

**XYZ(26.5793, 12.9991,
33.0065)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | BB009D |
| RGB | 187, 0, 157 |
| RGB Percent | 73%, 0%, 62% |
| CMY | 0.2667, 0.9999, 0.3843 |
| CMYK | 0.00, 1.00, 0.16, 0.27 |
| HSL | 310°, 100%, 37% |
| HSV | 310°, 100%, 73% |
| XYZ | 26.5793, 12.9991, 33.0065 |
| YIQ | 73.8110, 61.0550, 88.4710 |

Conversions

Conversions Part 2

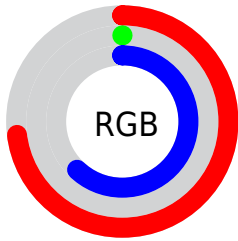
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 187, 0, 157 |
| Decimal | 12255389 |
| CIELab | 42.76, 73.68, -33.04 |
| CIElCh | 43, 80.752, 335.850 |
| Yxy | 12.9991, 0.3662, 0.1791 |
| Android (android.graphics.Color) | 4290445469 (0xFFBB009D) |
| YUV | 73.8110, 41.0122, 99.2668 |
| Hunter-Lab | 36.0543, 68.4957, -29.0401 |

Details

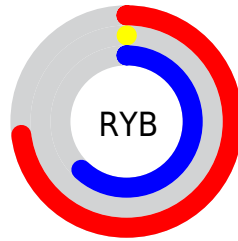
The XYZ color **26.5793, 12.9991, 33.0065** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **18.0055, 35.6349, 7.1593**, and the grayscale version is **6.4004, 6.7337, 7.3330**.

A 20% lighter version of the original color is **53.6496, 31.3440, 65.5097**, and **11.6031, 5.6870, 13.8508** is the 20% darker color. If you saturate the color by 10%, you get **26.5791, 12.9991, 33.0047**, and if you desaturate by 10%, it is **27.0671, 13.5595, 34.4487**.

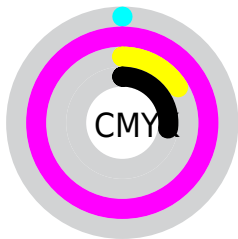
Distribution



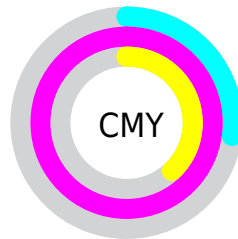
- Red (73%)
- Green (0%)
- Blue (62%)



- Red (73%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (16%)
- Black (27%)





- Cyan (27%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 26.5793, 12.9991, 33.0065 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 26.5793, 12.9991, 33.0065 by changing the saturation by 10% instead.


 26.5793, 12.9991,
33.0065


 26.5793, 12.9991,
33.0065


277.8192,
210.9119, 330.3119

 17.3925, 7.4279,
21.8603


 53.6327, 31.3022,
65.5018

 10.6117, 3.7311,
13.5569


 72.2300, 44.8029,
87.6880


 5.8718, 1.5243,
7.6779


 94.6948, 61.7155,
114.3912

 2.8072, 0.3058,
3.8048

 121.3925, 82.4245,
146.0300

 1.0526, 0.0000,
1.5189

 152.6884,
107.3142, 183.0229

 0.0000, 0.0000,
0.2319

 188.9479,

 0.0000, 0.0000,

136.7691, 225.7885

0.0000

230.5364,
171.1735, 274.7453

■ 26.5793, 12.9991,
33.0065

■ 26.5793, 12.9991,
33.0065

■ 26.5791, 12.9991,
33.0047

■ 27.0671, 13.5595,
34.4487

■ 27.7795, 14.5591,
35.9969

■ 28.7970, 16.1587,
37.6784

■ 30.1596, 18.4382,
39.5065

■ 31.9010, 21.4650,
41.4928

■ 34.0510, 25.2985,
43.6474

■ 36.6363, 29.9923,
45.9794

■ 39.6814, 35.5950,
48.4972

■ 43.2089, 42.1518,
51.2085

Harmonies

Analogous

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



20.6488, 12.9991, 63.1253



26.5793, 12.9991, 33.0065



28.2336, 12.9991, 10.9771

Triad

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



26.5793, 12.9991, 33.0065



11.1896, 12.9991, 0.0000



5.0388, 12.9991, 44.6668

Complementary

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



26.5793, 12.9991, 33.0065



18.0055, 35.6349, 7.1593

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.



3.9338, 12.9991, 17.8909



26.5793, 12.9991, 33.0065



6.6462, 12.9991, 0.5784

Square

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



26.5793, 12.9991, 33.0065



17.8481, 12.9991, 0.0030



4.4050, 12.9991, 4.3318



8.1237, 12.9991, 72.9399

Rectangle

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



26.5793, 12.9991, 33.0065



26.3332, 12.9991, 3.9316



4.4050, 12.9991, 4.3318



4.4799, 12.9991, 34.6322

Sweetspot

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



26.5798, 12.9998, 33.0067



65.3648, 53.2582, 82.1322



9.4509, 3.8363, 47.2564



13.9447, 10.9089, 17.6900



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



26.5798, 12.9998, 33.0067



47.5288, 23.2515, 58.7210



21.4617, 10.9525, 6.0552



9.8624, 9.6693, 11.6645



18.3354, 8.9653, 22.8577



0.7361, 0.3583, 0.9896

Inverse Universe

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



26.5798, 12.9998, 33.0067



47.5288, 23.2515, 58.7210



21.2564, 36.9353, 24.2785



9.8624, 9.6693, 11.6645



18.3354, 8.9653, 22.8577



0.7361, 0.3583, 0.9896

Previews

White Background



This preview shows how the XYZ color 26.5793, 12.9991, 33.0065 looks on a white background.

Color Contrast Check

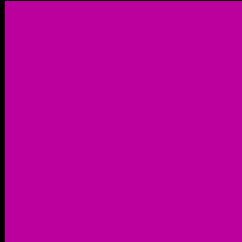
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.5793, 12.9991, 33.0065 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 26.5793, 12.9991, 33.0065

Background



This preview shows how black text looks on a background with the XYZ color 26.5793, 12.9991, 33.0065.



This preview shows how white text looks on a background with the XYZ color 26.5793, 12.9991,

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

26.5793, 12.9991, 33.0065

Protanopia

16.4408, 13.8678, 64.0976

Deuteranopia

13.9483, 13.6356, 29.5005



Tritanopia

21.2672, 13.4106, 6.4686

Trichromacy



Original Color

26.5793, 12.9991, 33.0065



Protanomaly

13.7317, 8.7015, 50.8250



Deuteranomaly

15.6446, 10.2259, 30.4274



Tritanomaly

22.2215, 12.2780, 12.7540

Monochromacy



Original Color

26.5793, 12.9991, 33.0065



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

10.5854, 6.6773, 13.8276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.5793, 12.9991, 33.0065 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(187, 0, 157)` looks like.

```
.text, #text, p{  
    color:rgb(187, 0, 157)  
}
```

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(187, 0, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 0, 157) }
```

Border

The CSS property to change the border of an element to XYZ 26.5793, 12.9991, 33.0065 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(187, 0, 157) }
```


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

```
.border{ border-color:rgb(187, 0, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 0, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 0, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 0, 157);  
box-shadow:4px 4px 4px 4px rgb(187, 0,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 26.5793, 12.9991, 33.0065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 0, 157) }
```

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

```
.background{ background-color: rgb(187, 0,  
157) }
```

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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