

# Converting Colors

XYZ(26.6506, 14.2938, 33.2839)

Have a look what the booklet for  
XYZ(26.6506, 14.2938, 33.2839)  
contains.

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# Color

**XYZ(26.7168, 14.3524,  
33.2604)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B82B9D
RGB	184, 43, 157
RGB Percent	72%, 17%, 62%
CMY	0.2784, 0.8313, 0.3843
CMYK	0.00, 0.77, 0.15, 0.28
HSL	311°, 62%, 45%
HSV	311°, 77%, 72%
XYZ	26.7168, 14.3524, 33.2604
YIQ	98.1550, 47.4420, 65.3460

# Conversions

## Conversions Part 2

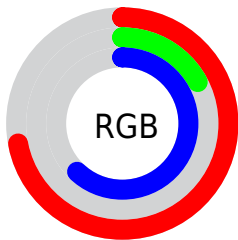
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 43, 157
Decimal	12069789
CIELab	44.73, 65.75, -29.98
CIELCh	45, 72.259, 335.486
Yxy	14.3524, 0.3594, 0.1931
Android (android.graphics.Color)	4290259869 (0xFFB82B9D)
YUV	98.1550, 29.0106, 75.2861
Hunter-Lab	37.8846, 59.5831, -25.5339

# Details

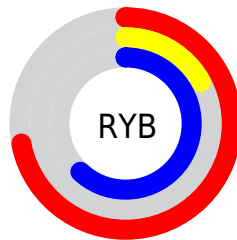
The XYZ color **26.7168, 14.3524, 33.2604** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **19.2430, 35.2373, 11.5831**, and the grayscale version is **11.5708, 12.1734, 13.2568**.

A 20% lighter version of the original color is **53.7961, 33.7088, 65.9584**, and **11.3022, 5.5319, 13.8367** is the 20% darker color. If you saturate the color by 10%, you get **25.8958, 13.1847, 31.5238**, and if you desaturate by 10%, it is **27.8490, 16.1281, 35.1437**.

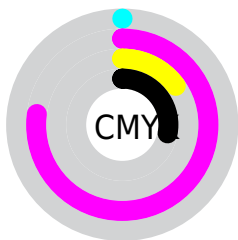
# Distribution



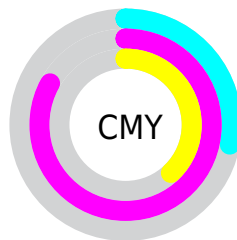
- Red (72%)
- Green (17%)
- Blue (62%)



- Red (72%)
- Yellow (17%)
- Blue (62%)



- Cyan (0%)
- Magenta (77%)
- Yellow (15%)
- Black (28%)




- Cyan (28%)
- Magenta (83%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.7168, 14.3524, 33.2604 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 26.7168, 14.3524, 33.2604 by changing the saturation by 10% instead.




 26.7168, 14.3524,  
33.2604


 26.7168, 14.3524,  
33.2604


278.4759,  
219.4122, 331.4894


 17.4961, 8.3662,  
22.0533


 53.8522, 33.7130,  
65.9026

 10.6863, 4.3301,  
13.6973

 72.4976, 47.8562,  
88.1746


 5.9221, 1.8599,  
7.7741


 95.0153, 65.4871,  
114.9721

 2.8380, 0.5241,  
3.8651

 121.7707, 86.9902,  
146.7135

 1.0687, 0.0000,  
1.5516

 153.1291,  
112.7499, 183.8174

 0.0000, 0.0000,  
0.2559

 189.4559,

 0.0000, 0.0000,

143.1505, 226.7024

0.0000

231.1164,  
178.5765, 275.7868

■ 26.7168, 14.3524,  
33.2604

■ 26.7168, 14.3524,  
33.2604

■ 25.8958, 13.1847,  
31.5238

■ 27.8490, 16.1281,  
35.1437

■ 25.3359, 12.5257,  
29.9166

■ 29.3271, 18.5818,  
37.1854

■ 25.1733, 12.3528,  
29.3926

■ 31.1825, 21.7761,  
39.3964

■ 33.4428, 25.7659,  
41.7862

■ 36.1329, 30.6010,  
44.3634

■ 39.2757, 36.3270,  
47.1361

■ 42.8925, 42.9864,  
50.1116

■ 47.0030, 50.6187,  
53.2969

■ 51.6261, 59.2614,  
56.6986

# Harmonies

## Analogous

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



21.3059, 14.3524, 59.5433



26.7168, 14.3524, 33.2604



28.2584, 14.3524, 12.7340

# Triad

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



26.7168, 14.3524, 33.2604



12.5898, 14.3524, 0.3635



6.3560, 14.3524, 42.9351

# Complementary

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



26.7168, 14.3524, 33.2604



19.2430, 35.2373, 11.5831

# 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.



5.2037, 14.3524, 18.9288



26.7168, 14.3524, 33.2604



8.0786, 14.3524, 1.3142

# Square

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



26.7168, 14.3524, 33.2604



18.8857, 14.3524, 0.7958



5.7287, 14.3524, 5.6807



9.4709, 14.3524, 67.4117



# Rectangle

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



26.7168, 14.3524, 33.2604



26.5902, 14.3524, 5.4311



5.7287, 14.3524, 5.6807



5.7743, 14.3524, 34.0904

# Sweetspot

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



26.7173, 14.3531, 33.2607



67.2551, 58.6558, 82.0099



11.9601, 6.4491, 45.9621



14.0806, 11.8865, 17.3003



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



26.7173, 14.3531, 33.2607



46.2012, 22.9973, 55.1095



22.3787, 12.6177, 10.4139



9.3052, 9.1324, 10.9545



17.3739, 8.5233, 20.3876



0.6317, 0.3082, 0.8200



# Inverse Universe

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



26.7173, 14.3531, 33.2607



46.2012, 22.9973, 55.1095



22.8233, 36.6694, 30.4366



9.3052, 9.1324, 10.9545



17.3739, 8.5233, 20.3876



0.6317, 0.3082, 0.8200



# Previews

## White Background



This preview shows how the XYZ color 26.7168, 14.3524, 33.2604 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

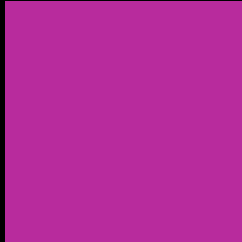
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 26.7168, 14.3524, 33.2604 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

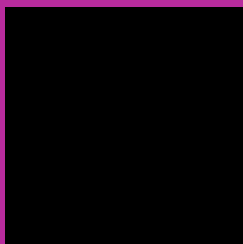
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 26.7168, 14.3524, 33.2604**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.7168, 14.3524, 33.2604.



This preview shows how white text looks on a background with the XYZ color 26.7168, 14.3524,



# 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

26.7168, 14.3524, 33.2604

### Protanopia

17.2741, 14.7900, 61.6188

### Deuteranopia

14.9111, 14.5684, 30.0431



## Tritanopia

21.5264, 14.3866, 8.4798

# Trichromacy



## Original Color

26.7168, 14.3524, 33.2604

## Protanomaly

16.8471, 11.9919, 49.5708

## Deuteranomaly

17.2074, 12.7046, 30.8235

## Tritanomaly

22.8090, 13.9411, 14.8533

# Monochromacy



## Original Color

26.7168, 14.3524, 33.2604

## Achromatopsia

11.6093, 12.2139, 13.3009

## Achromatomaly

15.1074, 11.4478, 18.8662

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.7168, 14.3524, 33.2604 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(184, 43, 157)` looks like.

```
.text, #text, p{  
    color:rgb(184, 43, 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(184, 43, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 43, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 26.7168, 14.3524, 33.2604 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(184, 43, 157) }
```



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

```
.border{ border-color:rgb(184, 43, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 43, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 43, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 43, 157);  
box-shadow:4px 4px 4px 4px rgb(184, 43,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.7168, 14.3524, 33.2604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 43, 157) }
```

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

```
.background{ background-color: rgb(184, 43,  
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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