

# Converting Colors

XYZ(26.9899, 13.2852, 29.6609)

Have a look what the booklet for  
XYZ(26.9899, 13.2852, 29.6609)  
contains.

<b>XYZ(26.9107, 13.2463, 29.5722)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(26.9107, 13.2463,  
29.5722)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BF0095
RGB	191, 0, 149
RGB Percent	75%, 0%, 58%
CMY	0.2510, 0.9999, 0.4157
CMYK	0.00, 1.00, 0.22, 0.25
HSL	313°, 100%, 37%
HSV	313°, 100%, 75%
XYZ	26.9107, 13.2463, 29.5722
YIQ	74.0950, 66.0070, 86.8310

# Conversions

## Conversions Part 2

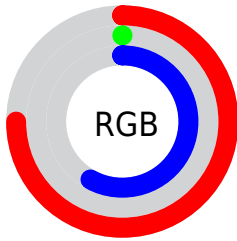
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 0, 149
Decimal	12517525
CIE <sub>Lab</sub>	43.13, 73.44, -27.57
CIE <sub>LCh</sub>	43, 78.446, 339.425
Yxy	13.2463, 0.3859, 0.1900
Android (android.graphics.Color)	4290707605 (0xFFBF0095)
YUV	74.0950, 36.9282, 102.5257
Hunter-Lab	36.3955, 68.2903, -22.6977

# Details

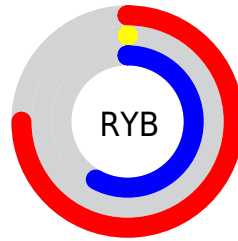
The XYZ color **26.9107, 13.2463, 29.5722** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **19.0497, 37.4294, 8.4138**, and the grayscale version is **6.4570, 6.7933, 7.3979**.

A 20% lighter version of the original color is **53.9713, 31.6374, 59.7619**, and **11.7203, 5.7874, 12.0546** is the 20% darker color. If you saturate the color by 10%, you get **26.9103, 13.2462, 29.5696**, and if you desaturate by 10%, it is **27.4874, 13.8531, 31.4492**.

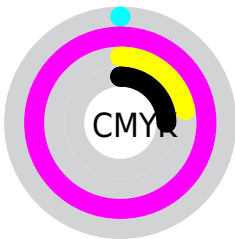
# Distribution



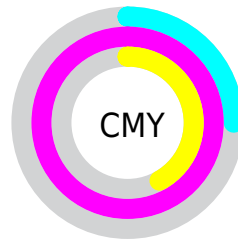
- Red (75%)
- Green (0%)
- Blue (58%)



- Red (75%)
- Yellow (0%)
- Blue (58%)



- Cyan (0%)
- Magenta (100%)
- Yellow (22%)
- Black (25%)




- Cyan (25%)
- Magenta (100%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.9107, 13.2463, 29.5722 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 26.9107, 13.2463, 29.5722 by changing the saturation by 10% instead.




 26.9107, 13.2463,  
29.5722


 26.9107, 13.2463,  
29.5722


279.3999,  
212.4902, 314.0503


 17.6424, 7.5984,  
19.2648


 54.1614, 31.7456,  
60.0380


 10.7917, 3.8390,  
11.6830


 72.8746, 45.3657,  
81.0334

 5.9932, 1.5839,  
6.4083


 95.4667, 62.4120,  
106.4286

 2.8816, 0.3467,  
3.0221

 122.3032, 83.2689,  
136.6422

 1.0914, 0.0000,  
1.1060

 153.7495,  
108.3208, 172.0926

 0.0179, 0.0000,  
0.0000

 190.1707,

 0.0000, 0.0000,

137.9520, 213.1984

0.0000

231.9324,  
172.5470, 260.3781

■ 26.9107, 13.2463,  
29.5722

■ 26.9107, 13.2463,  
29.5722

■ 26.9103, 13.2462,  
29.5696

■ 27.4874, 13.8531,  
31.4492

■ 28.3066, 14.9254,  
33.4673

■ 29.4517, 16.6299,  
35.6549

■ 30.9650, 19.0506,  
38.0268

■ 32.8821, 22.2589,  
40.5953

■ 35.2345, 26.3175,  
43.3716

■ 38.0503, 31.2826,  
46.3656

■ 41.3556, 37.2056,  
49.5865

■ 45.1740, 44.1342,  
53.0429

# Harmonies

## Analogous

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



21.5098, 13.2463, 58.4537



26.9107, 13.2463, 29.5722



27.8924, 13.2463, 9.6292

# Triad

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



26.9107, 13.2463, 29.5722



10.7809, 13.2463, 0.0000



5.5762, 13.2463, 47.5803

# Complementary

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



26.9107, 13.2463, 29.5722



19.0497, 37.4294, 8.4138

# 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.



4.2518, 13.2463, 20.5906



26.9107, 13.2463, 29.5722



6.5566, 13.2463, 0.9627

# Square

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



26.9107, 13.2463, 29.5722



17.1334, 13.2463, 0.0646



4.5416, 13.2463, 5.6014



8.9308, 13.2463, 73.4362



# Rectangle

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



26.9107, 13.2463, 29.5722



25.6723, 13.2463, 3.4706



4.5416, 13.2463, 5.6014



4.9367, 13.2463, 37.7409

# Sweetspot

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



26.9112, 13.2470, 29.5724



67.8808, 55.5519, 82.7685



10.3351, 4.2421, 49.5646



14.4143, 11.3280, 17.6637



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



26.9112, 13.2470, 29.5724



48.1014, 23.6859, 52.4597



22.1554, 11.3447, 4.5290



9.8377, 9.6594, 11.5343



17.7160, 8.7176, 19.5960



0.7166, 0.3505, 0.8870



# Inverse Universe

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



26.9112, 13.2470, 29.5724



48.1014, 23.6859, 52.4597



23.1389, 39.0651, 29.9471



9.8377, 9.6594, 11.5343



17.7160, 8.7176, 19.5960



0.7166, 0.3505, 0.8870



# Previews

## White Background



This preview shows how the XYZ color 26.9107, 13.2463, 29.5722 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 26.9107, 13.2463, 29.5722 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 26.9107, 13.2463, 29.5722**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.9107, 13.2463, 29.5722.



This preview shows how white text looks on a background with the XYZ color 26.9107, 13.2463,



# 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

26.9107, 13.2463, 29.5722

### Protanopia

16.7424, 14.1811, 63.4828

### Deuteranopia

14.3032, 14.0268, 26.7645



## Tritanopia

22.2006, 13.6661, 6.0251

# Trichromacy



## Original Color

26.9107, 13.2463, 29.5722



## Protanomaly

14.4778, 9.1366, 48.5774



## Deuteranomaly

16.1121, 10.6254, 27.1883



## Tritanomaly

23.2070, 12.7592, 11.8293

# Monochromacy



## Original Color

26.9107, 13.2463, 29.5722



## Achromatopsia

6.5089, 6.8478, 7.4573



## Achromatomaly

10.7016, 6.7545, 13.0516

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.9107, 13.2463, 29.5722 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(191, 0, 149)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 149)  
}
```

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(191, 0, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 149) }
```

## Border

The CSS property to change the border of an element to XYZ 26.9107, 13.2463, 29.5722 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(191, 0, 149) }
```



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

```
.border{ border-color:rgb(191, 0, 149) }
```

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

Here you see how a box with a 4 pixel rgb(191, 0, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 149);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
149) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.9107, 13.2463, 29.5722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 149) }
```

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

```
.background{ background-color: rgb(191, 0,  
149) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor