

# Converting Colors

XYZ(29.6962, 15.6495, 13.2059)

Have a look what the booklet for  
XYZ(29.6962, 15.6495, 13.2059)  
contains.

<b>XYZ(29.8188, 15.7284, 13.2686)</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(29.8188, 15.7284,  
13.2686)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D41C63
RGB	212, 28, 99
RGB Percent	83%, 11%, 39%
CMY	0.1686, 0.8901, 0.6118
CMYK	0.00, 0.87, 0.53, 0.17
HSL	337°, 77%, 47%
HSV	337°, 87%, 83%
XYZ	29.8188, 15.7284, 13.2686
YIQ	91.1100, 86.8730, 61.0890

# Conversions

## Conversions Part 2

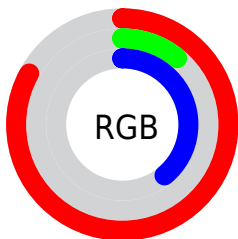
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 28, 99
Decimal	13900899
CIE <sub>Lab</sub>	46.62, 69.85, 8.80
CIE <sub>LCh</sub>	47, 70.401, 7.183
Yxy	15.7284, 0.5070, 0.2674
Android (android.graphics.Color)	4292090979 (0xFFD41C63)
YUV	91.1100, 3.8898, 106.0205
Hunter-Lab	39.6590, 64.8070, 7.9249

# Details

The XYZ color **29.8188, 15.7284, 13.2686** 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 **28.8321, 49.2577, 33.1950**, and the grayscale version is **9.9487, 10.4668, 11.3984**.

A 20% lighter version of the original color is **51.0325, 32.1653, 31.9526**, and **13.2203, 6.7411, 3.9725** is the 20% darker color. If you saturate the color by 10%, you get **28.9042, 14.8166, 10.1362**, and if you desaturate by 10%, it is **31.1847, 17.3824, 17.0469**.

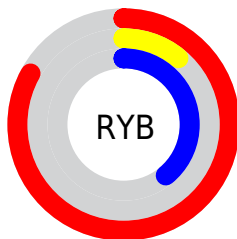
# Distribution



Red (83%)

Green (11%)

Blue (39%)



Red (83%)

Yellow (11%)

Blue (39%)

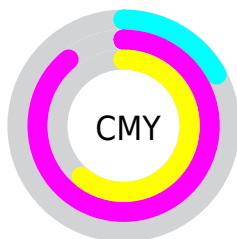


Cyan (0%)

Magenta (87%)

Yellow (53%)

Black (17%)



Cyan (17%)

Magenta (89%)


Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8188, 15.7284, 13.2686 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 29.8188, 15.7284, 13.2686 by changing the saturation by 10% instead.




 29.8188, 15.7284,  
13.2686


 29.8188, 15.7284,  
13.2686


292.9839,  
227.7337, 223.8999


 19.8485, 9.3322,  
7.4809


 58.7641, 36.1260,  
32.4837


 12.3926, 4.9585,  
3.6816


 78.4698, 50.8963,  
46.7482


 7.0857, 2.2229,  
1.4524


 102.1513, 69.2266,  
64.6754

 3.5626, 0.7324,  
0.1821

 130.1740, 91.5014,  
86.6837

 1.4578, 0.0000,  
0.0000

 162.9033,  
118.1051, 113.1918

 0.2968, 0.0000,  
0.0000

 200.7045,

 0.0000, 0.0000,

149.4222, 144.6182

0.0000

243.9429,  
185.8369, 181.3814

■ 29.8188, 15.7284,  
13.2686

■ 29.8188, 15.7284,  
13.2686

■ 28.9042, 14.8166,  
10.1362

■ 31.1847, 17.3824,  
17.0469

■ 28.6664, 14.6030,  
9.2487

■ 33.0722, 19.9118,  
21.5164

■ 35.5376, 23.4224,  
26.7166

■ 38.6291, 28.0042,  
32.6833

■ 42.3895, 33.7368,  
39.4493

■ 46.8577, 40.6923,  
47.0455

■ 52.0694, 48.9367,  
55.5007

■ 58.0581, 58.5314,  
64.8424

■ 64.8549, 69.5337,  
75.0968

# Harmonies

## Analogous

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



28.5327, 15.7284, 33.6801



29.8188, 15.7284, 13.2686



26.3406, 15.7284, 3.8091

# Triad

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



29.8188, 15.7284, 13.2686



8.9353, 15.7284, 1.8994



10.8563, 15.7284, 70.2887

# Complementary

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



29.8188, 15.7284, 13.2686



28.8321, 49.2577, 33.1950

# 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.



7.4319, 15.7284, 46.4021



29.8188, 15.7284, 13.2686



6.5512, 15.7284, 7.1419

# Square

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



29.8188, 15.7284, 13.2686



13.5338, 15.7284, 0.7358



6.0874, 15.7284, 21.6657



16.4604, 15.7284, 76.5103



# Rectangle

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



29.8188, 15.7284, 13.2686



22.2279, 15.7284, 1.5811



6.0874, 15.7284, 21.6657



9.4634, 15.7284, 63.5316

# Sweetspot

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



29.8192, 15.7293, 13.2688



71.5464, 62.3956, 72.0778



22.8482, 11.0230, 63.2107



14.7742, 12.5096, 14.5269



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.



29.8192, 15.7293, 13.2688



43.4626, 22.1490, 13.6341



28.3546, 16.0678, 2.7068



12.6196, 12.4993, 13.9370



17.7428, 9.0334, 5.9496



1.1100, 0.5608, 0.5688



# Inverse Universe

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



29.8192, 15.7293, 13.2688



43.4626, 22.1490, 13.6341



31.5664, 43.4072, 69.0020



12.6196, 12.4993, 13.9370



17.7428, 9.0334, 5.9496



1.1100, 0.5608, 0.5688



# Previews

## White Background



This preview shows how the XYZ color 29.8188, 15.7284, 13.2686 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 29.8188, 15.7284, 13.2686 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

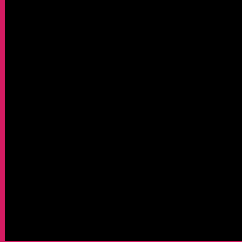
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 29.8188, 15.7284, 13.2686**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.8188, 15.7284, 13.2686.



This preview shows how white text looks on a background with the XYZ color 29.8188, 15.7284,



# 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

29.8188, 15.7284, 13.2686

### Protanopia

16.0185, 15.9884, 27.0527

### Deuteranopia

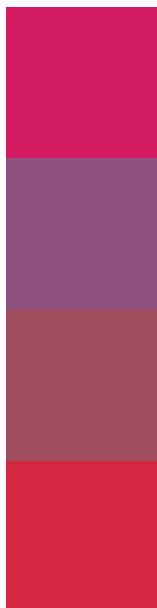
16.3091, 15.9994, 11.9015



## Tritanopia

28.0684, 15.8609, 4.2714

# Trichromacy



## Original Color

29.8188, 15.7284, 13.2686

## Protanomaly

17.8980, 13.0576, 20.9791

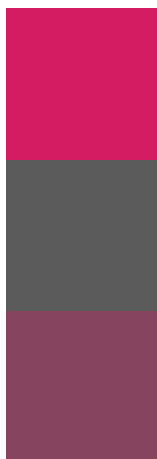
## Deuteranomaly

19.1974, 13.7127, 11.9909

## Tritanomaly

28.5729, 15.6933, 6.6774

# Monochromacy



## Original Color

29.8188, 15.7284, 13.2686

## Achromatopsia

9.9438, 10.4616, 11.3927

## Achromatomaly

14.0792, 10.0933, 11.7958

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.8188, 15.7284, 13.2686 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(212, 28, 99)` looks like.

```
.text, #text, p{  
    color:rgb(212, 28, 99)  
}
```

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(212, 28, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 28, 99) }
```

## Border

The CSS property to change the border of an element to XYZ 29.8188, 15.7284, 13.2686 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(212, 28, 99) }
```



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

```
.border{ border-color:rgb(212, 28, 99) }
```

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

Here you see how a box with a 4 pixel rgb(212, 28, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 28, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 28, 99);  
box-shadow:4px 4px 4px 4px rgb(212, 28,  
99) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.8188, 15.7284, 13.2686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 28, 99) }
```

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

```
.background{ background-color: rgb(212, 28,  
99) }
```

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