

# Converting Colors

XYZ(29.8724, 15.0738, 16.1252)

Have a look what the booklet for  
XYZ(29.8724, 15.0738, 16.1252)  
contains.

<b>XYZ(29.9659, 15.1228, 16.0915)</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(29.9659, 15.1228,  
16.0915)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D4006E
RGB	212, 0, 110
RGB Percent	83%, 0%, 43%
CMY	0.1686, 0.9998, 0.5686
CMYK	0.00, 1.00, 0.48, 0.17
HSL	329°, 100%, 42%
HSV	329°, 100%, 83%
XYZ	29.9659, 15.1228, 16.0915
YIQ	75.9280, 91.0420, 79.1540

# Conversions

## Conversions Part 2

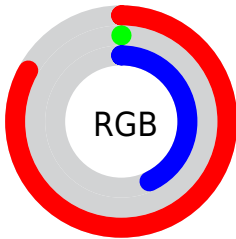
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 0, 110
Decimal	13893742
CIE Lab	45.80, 73.92, 0.81
CIE LCh	46, 73.920, 0.631
Yxy	15.1228, 0.4898, 0.2472
Android (android.graphics.Color)	4292083822 (0xFFD4006E)
YUV	75.9280, 16.7975, 119.3351
Hunter-Lab	38.8880, 69.4924, 2.6880

# Details

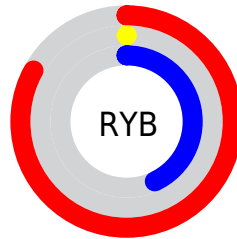
The XYZ color **29.9659, 15.1228, 16.0915** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **25.9442, 48.0473, 20.4871**, and the grayscale version is **6.8188, 7.1739, 7.8124**.

A 20% lighter version of the original color is **51.3292, 31.1455, 37.0246**, and **13.6597, 6.9382, 5.3219** is the 20% darker color. If you saturate the color by 10%, you get **29.9649, 15.1224, 16.0862**, and if you desaturate by 10%, it is **30.8264, 15.9032, 19.2786**.

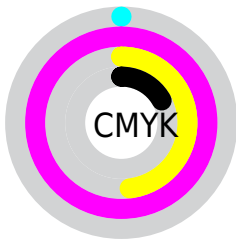
# Distribution



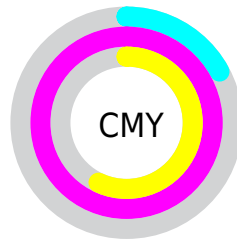
- Red (83%)
- Green (0%)
- Blue (43%)



- Red (83%)
- Yellow (0%)
- Blue (43%)



- Cyan (0%)
- Magenta (100%)
- Yellow (48%)
- Black (17%)




- Cyan (17%)
- Magenta (100%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9659, 15.1228, 16.0915 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 29.9659, 15.1228, 16.0915 by changing the saturation by 10% instead.




 29.9659, 15.1228,  
16.0915

 29.9659, 15.1228,  
16.0915


293.6582,  
224.1083, 241.7452


 19.9606, 8.9056,  
9.4339


 58.9952, 35.0685,  
37.5260


 12.4745, 4.6797,  
4.9246

 78.7501, 49.5657,  
53.1399


 7.1422, 2.0606,  
2.1451


 102.4854, 67.5918,  
72.5763

 3.5983, 0.6423,  
0.6424

 130.5667, 89.5311,  
96.2538

 1.4775, 0.0000,  
0.0000

 163.3593,  
115.7680, 124.5909

 0.3104, 0.0000,  
0.0000

 201.2285,

 0.0000, 0.0000,

146.6869, 158.0061

0.0000

244.5396,  
182.6722, 196.9180

■ 29.9659, 15.1228,  
16.0915

■ 29.9659, 15.1228,  
16.0915

■ 29.9649, 15.1224,  
16.0862

■ 30.8264, 15.9032,  
19.2786

■ 32.0515, 17.3069,  
22.9128

■ 33.7429, 19.5346,  
27.0380

■ 35.9575, 22.6969,  
31.6821

■ 38.7433, 26.8867,  
36.8703

■ 42.1425, 32.1860,  
42.6252

■ 46.1933, 38.6681,  
48.9678

■ 50.9304, 46.4001,  
55.9177

■ 56.3861, 55.4441,  
63.4935

# Harmonies

## Analogous

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



27.5268, 15.1228, 39.6392



29.9659, 15.1228, 16.0915



27.3240, 15.1228, 4.4502

# Triad

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



29.9659, 15.1228, 16.0915



9.0984, 15.1228, 1.0783



9.2678, 15.1228, 68.0251

# Complementary

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



29.9659, 15.1228, 16.0915



25.9442, 48.0473, 20.4871

# 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.



6.3404, 15.1228, 40.8254



29.9659, 15.1228, 16.0915



6.2643, 15.1228, 4.7291

# Square

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



29.9659, 15.1228, 16.0915



14.2423, 15.1228, 0.3533



5.4216, 15.1228, 16.8466



14.5060, 15.1228, 80.0002



# Rectangle

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



29.9659, 15.1228, 16.0915



23.3781, 15.1228, 1.6417



5.4216, 15.1228, 16.8466



8.0413, 15.1228, 59.7072

# Sweetspot

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



29.9663, 15.1237, 16.0917



69.9394, 58.3719, 74.0386



17.0247, 7.4044, 62.8193



14.3853, 11.5534, 14.9477



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.



29.9663, 15.1237, 16.0917



45.4247, 22.9339, 23.9662



27.1907, 14.0135, 1.4758



12.6896, 12.5273, 14.3056



18.5498, 9.3562, 10.1990



1.1606, 0.5810, 0.8350



# Inverse Universe

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



29.9663, 15.1237, 16.0917



45.4247, 22.9339, 23.9662



34.5555, 51.4919, 65.8339



12.6896, 12.5273, 14.3056



18.5498, 9.3562, 10.1990



1.1606, 0.5810, 0.8350



# Previews

## White Background



This preview shows how the XYZ color 29.9659, 15.1228, 16.0915 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 29.9659, 15.1228, 16.0915 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

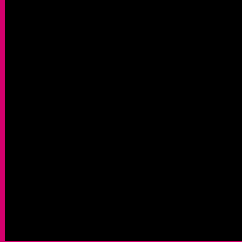
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 29.9659, 15.1228, 16.0915**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.9659, 15.1228, 16.0915.



This preview shows how white text looks on a background with the XYZ color 29.9659, 15.1228,



# 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

29.9659, 15.1228, 16.0915

### Protanopia

16.4460, 15.8734, 34.9980

### Deuteranopia

16.0641, 15.8149, 14.5178



## Tritanopia

27.6498, 15.5385, 3.9248

# Trichromacy



## Original Color

29.9659, 15.1228, 16.0915



## Protanomaly

17.4171, 11.5826, 26.5170



## Deuteranomaly

18.4704, 12.3018, 14.4977



## Tritanomaly

28.0370, 14.9495, 6.8767

# Monochromacy



## Original Color

29.9659, 15.1228, 16.0915



## Achromatopsia

6.8694, 7.2272, 7.8704



## Achromatomaly

11.2759, 7.1785, 10.0238

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.9659, 15.1228, 16.0915 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, 0, 110)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 110)  
}
```

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, 0, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 29.9659, 15.1228, 16.0915 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, 0, 110) }
```



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

```
.border{ border-color:rgb(212, 0, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 0, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 110);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
110) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.9659, 15.1228, 16.0915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 110) }
```

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

```
.background{ background-color: rgb(212, 0,  
110) }
```

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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