

# Converting Colors

XYZ(29.6908, 19.2812, 23.3698)

Have a look what the booklet for  
XYZ(29.6908, 19.2812, 23.3698)  
contains.

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# Color

**XYZ(29.8115, 19.3821,  
23.2890)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C45282
RGB	196, 82, 130
RGB Percent	77%, 32%, 51%
CMY	0.2314, 0.6784, 0.4902
CMYK	0.00, 0.58, 0.34, 0.23
HSL	335°, 49%, 55%
HSV	335°, 58%, 77%
XYZ	29.8115, 19.3821, 23.2890
YIQ	121.5580, 52.5360, 39.0960

# Conversions

## Conversions Part 2

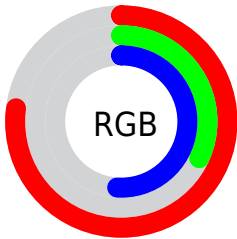
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 82, 130
Decimal	12866178
CIE <sub>Lab</sub>	51.13, 50.36, -3.86
CIE <sub>LCh</sub>	51, 50.507, 355.612
Yxy	19.3821, 0.4113, 0.2674
Android (android.graphics.Color)	4291056258 (0xFFC45282)
YUV	121.5580, 4.1619, 65.2856
Hunter-Lab	44.0251, 43.8269, -0.5465

# Details

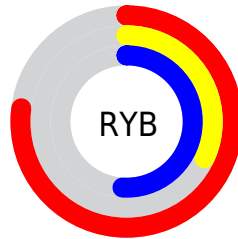
The XYZ color **29.8115, 19.3821, 23.2890** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **28.5660, 43.4123, 34.8934**, and the grayscale version is **18.3305, 19.2851, 21.0015**.

A 20% lighter version of the original color is **58.5914, 42.2872, 49.8739**, and **12.4593, 6.7363, 8.4281** is the 20% darker color. If you saturate the color by 10%, you get **27.8187, 16.5490, 19.0717**, and if you desaturate by 10%, it is **32.3115, 23.0949, 28.0903**.

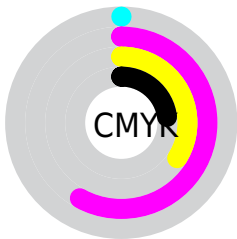
# Distribution



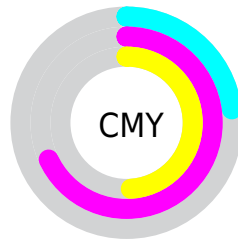
- Red (77%)
- Green (32%)
- Blue (51%)



- Red (77%)
- Yellow (32%)
- Blue (51%)



- Cyan (0%)
- Magenta (58%)
- Yellow (34%)
- Black (23%)




- Cyan (23%)
- Magenta (68%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8115, 19.3821, 23.2890 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 29.8115, 19.3821, 23.2890 by changing the saturation by 10% instead.





 29.8115, 19.3821,  
23.2890


 29.8115, 19.3821,  
23.2890


292.9504,  
248.5501, 282.3758


 19.8429, 11.9467,  
14.5997


 58.7526, 42.3788,  
49.7966


 12.3885, 6.7074,  
8.3955


 78.4559, 58.7088,  
68.4521


 7.0829, 3.2798,  
4.2576


 102.1347, 78.7726,  
91.2667

 3.5608, 1.2795,  
1.7677

 130.1545,  
102.9544, 118.6590

 1.4568, 0.1252,  
0.4065

 162.8807,  
131.6386, 151.0475

 0.2962, 0.0000,  
0.0000

200.6784,

 0.0000, 0.0000,

165.2097, 188.8508

0.0000

243.9133,  
204.0521, 232.4873

■ 29.8115, 19.3821,  
23.2890

■ 29.8115, 19.3821,  
23.2890

■ 27.8187, 16.5490,  
19.0717

■ 32.3115, 23.0949,  
28.0903

■ 26.2917, 14.5175,  
15.4105

■ 35.3522, 27.7507,  
33.4989

■ 25.1848, 13.2005,  
12.2765

■ 38.9662, 33.4105,  
39.5381

■ 24.4283, 12.4637,  
9.6313

■ 43.1829, 40.1293,  
46.2295

■ 24.3078, 12.3529,  
9.1901

■ 48.0294, 47.9578,  
53.5934

■ 53.5315, 56.9437,  
61.6493

■ 59.7132, 67.1319,  
70.4157

■ 66.5973, 78.5647,  
79.9103

■ 73.1092, 89.0895,  
89.7850

# Harmonies

## Analogous

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



27.5845, 19.3821, 40.8692



29.8115, 19.3821, 23.2890



28.5619, 19.3821, 11.2724

# Triad

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



29.8115, 19.3821, 23.2890



14.5589, 19.3821, 4.7083



13.4932, 19.3821, 53.0981

# Complementary

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



29.8115, 19.3821, 23.2890



28.5660, 43.4123, 34.8934

# 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.



11.0207, 19.3821, 35.4407



29.8115, 19.3821, 23.2890



11.5530, 19.3821, 9.0298

# Square

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



29.8115, 19.3821, 23.2890



19.1701, 19.3821, 3.8045



10.3806, 19.3821, 19.0598



17.6938, 19.3821, 62.3733



# Rectangle

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



29.8115, 19.3821, 23.2890



26.0275, 19.3821, 6.8775



10.3806, 19.3821, 19.0598



12.4645, 19.3821, 47.6432

# Sweetspot

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



29.8120, 19.3831, 23.2894



78.9652, 73.8798, 84.8886



24.9431, 16.1875, 54.0344



16.5442, 15.2396, 17.6146



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.



29.8120, 19.3831, 23.2894



49.4981, 28.7537, 32.4980



27.9112, 19.5912, 10.2944



10.2452, 10.1467, 11.3817



15.6599, 7.9537, 6.1208



0.7110, 0.3574, 0.4454



# Inverse Universe

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



29.8120, 19.3831, 23.2894



49.4981, 28.7537, 32.4980



31.5129, 41.9174, 58.6545



10.2452, 10.1467, 11.3817



15.6599, 7.9537, 6.1208



0.7110, 0.3574, 0.4454



# Previews

## White Background



This preview shows how the XYZ color 29.8115, 19.3821, 23.2890 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

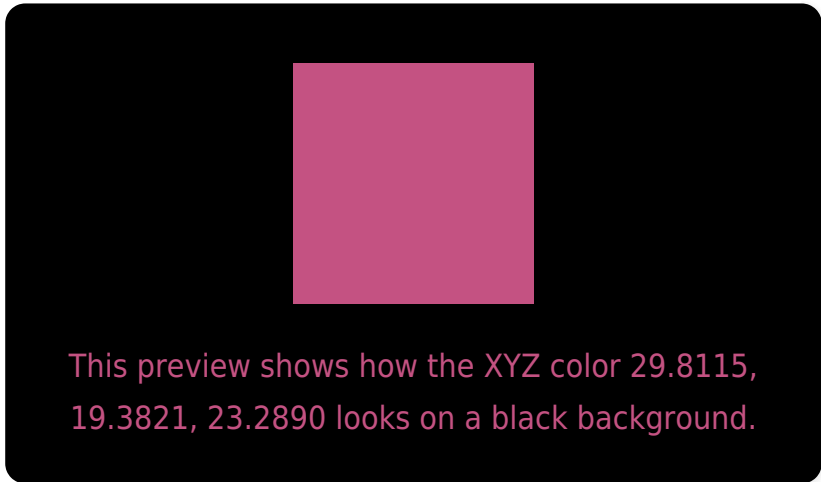
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black 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

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

**XYZ 29.8115, 19.3821, 23.2890**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.8115, 19.3821, 23.2890.



This preview shows how white text looks on a background with the XYZ color 29.8115, 19.3821,

23.2890.

# 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

29.8115, 19.3821, 23.2890

### Protanopia

19.6932, 19.6187, 33.7592

### Deuteranopia

19.9078, 19.6354, 21.8095



## Tritanopia

27.6303, 19.3084, 13.0971

# Trichromacy



## Original Color

29.8115, 19.3821, 23.2890

## Protanomaly

21.9476, 18.5200, 29.6121

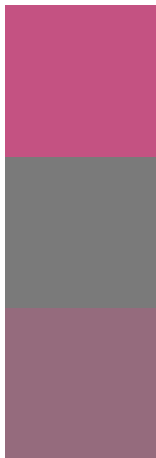
## Deuteranomaly

22.6302, 18.8823, 22.1906

## Tritanomaly

28.2827, 19.2076, 16.4041

# Monochromacy



## Original Color

29.8115, 19.3821, 23.2890

## Achromatopsia

18.4984, 19.4618, 21.1939

## Achromatomaly

21.3538, 18.3856, 21.8253

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.8115, 19.3821, 23.2890 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(196, 82, 130)` looks like.

```
.text, #text, p{  
    color:rgb(196, 82, 130)  
}
```

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(196, 82, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 82, 130) }
```

## Border

The CSS property to change the border of an element to XYZ 29.8115, 19.3821, 23.2890 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(196, 82, 130) }
```



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

```
.border{ border-color:rgb(196, 82, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 82, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 82, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 82, 130);  
box-shadow:4px 4px 4px 4px rgb(196, 82,  
130) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.8115, 19.3821, 23.2890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 82, 130) }
```

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

```
.background{ background-color: rgb(196, 82,  
130) }
```

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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