

# Converting Colors

XYZ(28.2274, 16.3508, 20.5345)

Have a look what the booklet for  
XYZ(28.2274, 16.3508, 20.5345)  
contains.

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# Color

**XYZ(28.1142, 16.3265,  
20.4084)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C53A7B
RGB	197, 58, 123
RGB Percent	77%, 23%, 48%
CMY	0.2275, 0.7725, 0.5176
CMYK	0.00, 0.71, 0.38, 0.23
HSL	332°, 55%, 50%
HSV	332°, 71%, 77%
XYZ	28.1142, 16.3265, 20.4084
YIQ	106.9710, 61.9790, 49.6830

# Conversions

## Conversions Part 2

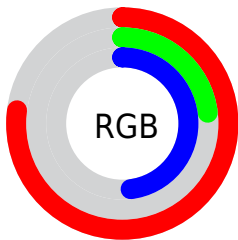
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 58, 123
Decimal	12925563
CIELab	47.40, 59.87, -5.15
CIELCh	47, 60.090, 355.086
Yxy	16.3265, 0.4335, 0.2518
Android (android.graphics.Color)	4291115643 (0xFFC53A7B)
YUV	106.9710, 7.9023, 78.9554
Hunter-Lab	40.4061, 53.4882, -1.6621

# Details

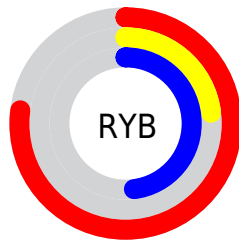
The XYZ color **28.1142, 16.3265, 20.4084** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **25.8772, 42.4986, 28.6720**, and the grayscale version is **13.9348, 14.6605, 15.9653**.

A 20% lighter version of the original color is **55.1086, 36.6166, 44.7206**, and **11.7173, 5.8977, 6.9994** is the 20% darker color. If you saturate the color by 10%, you get **26.6822, 14.4577, 16.8634**, and if you desaturate by 10%, it is **29.9972, 18.9848, 24.4511**.

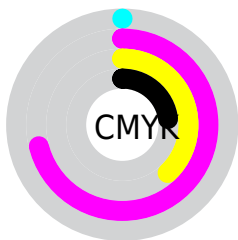
# Distribution



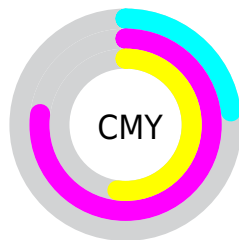
- Red (77%)
- Green (23%)
- Blue (48%)



- Red (77%)
- Yellow (23%)
- Blue (48%)



- Cyan (0%)
- Magenta (71%)
- Yellow (38%)
- Black (23%)




- Cyan (23%)
- Magenta (77%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1142, 16.3265, 20.4084 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 28.1142, 16.3265, 20.4084 by changing the saturation by 10% instead.





 28.1142, 16.3265,  
20.4084


 28.1142, 16.3265,  
20.4084


285.0824,  
231.2607, 266.7945


 18.5527, 9.7555,  
12.5052


 56.0741, 37.1641,  
44.9688

 11.4496, 5.2371,  
6.9621

 75.2031, 52.1995,  
62.4631


 6.4396, 2.3871,  
3.3603


 98.2521, 70.8251,  
83.9915

 3.1574, 0.8192,  
1.2814

 125.5862, 93.4254,  
109.9726

 1.2375, 0.0000,  
0.0465

 157.5710,  
120.3847, 140.8249

 0.1357, 0.0000,  
0.0000

194.5717,

 0.0000, 0.0000,

152.0874, 176.9670

0.0000

236.9537,  
188.9179, 218.8173

■ 28.1142, 16.3265,  
20.4084

■ 28.1142, 16.3265,  
20.4084

■ 26.6822, 14.4577,  
16.8634

■ 29.9972, 18.9848,  
24.4511

■ 25.6517, 13.2827,  
13.7883

■ 32.3708, 22.5084,  
29.0148

■ 24.9629, 12.6451,  
11.2769

■ 35.2715, 26.9669,  
34.1216

■ 38.7318, 32.4222,  
39.7920

■ 42.7814, 38.9309,  
46.0452

■ 47.4478, 46.5451,  
52.8991

■ 52.7569, 55.3137,  
60.3710

■ 58.7329, 65.2823,  
68.4774

■ 65.3988, 76.4943,  
77.2339

# Harmonies

## Analogous

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



25.5163, 16.3265, 40.3892



28.1142, 16.3265, 20.4084



26.7576, 16.3265, 8.0192

# Triad

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



28.1142, 16.3265, 20.4084



11.5699, 16.3265, 2.2507



10.3654, 16.3265, 54.2812

# Complementary

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



28.1142, 16.3265, 20.4084



25.8772, 42.4986, 28.6720

# 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.



7.9706, 16.3265, 33.3280



28.1142, 16.3265, 20.4084



8.5464, 16.3265, 5.7230

# Square

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



28.1142, 16.3265, 20.4084



16.4114, 16.3265, 1.6449



7.3902, 16.3265, 15.3817



14.6573, 16.3265, 65.9035



# Rectangle

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



28.1142, 16.3265, 20.4084



23.9255, 16.3265, 4.0491



7.3902, 16.3265, 15.3817



9.3544, 16.3265, 47.6683

# Sweetspot

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



28.1147, 16.3274, 20.4087



76.0265, 68.7613, 81.5695



20.7700, 11.7899, 54.0044



15.8192, 13.9853, 16.7692



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.



28.1147, 16.3274, 20.4087



46.6454, 24.5440, 26.9360



25.4229, 15.4418, 5.6448



10.8368, 10.7181, 12.1239



16.4606, 8.3338, 7.6354



0.8159, 0.4092, 0.5538



# Inverse Universe

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



28.1147, 16.3274, 20.4087



46.6454, 24.5440, 26.9360



31.2678, 43.8196, 59.6335



10.8368, 10.7181, 12.1239



16.4606, 8.3338, 7.6354



0.8159, 0.4092, 0.5538



# Previews

## White Background



This preview shows how the XYZ color 28.1142, 16.3265, 20.4084 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

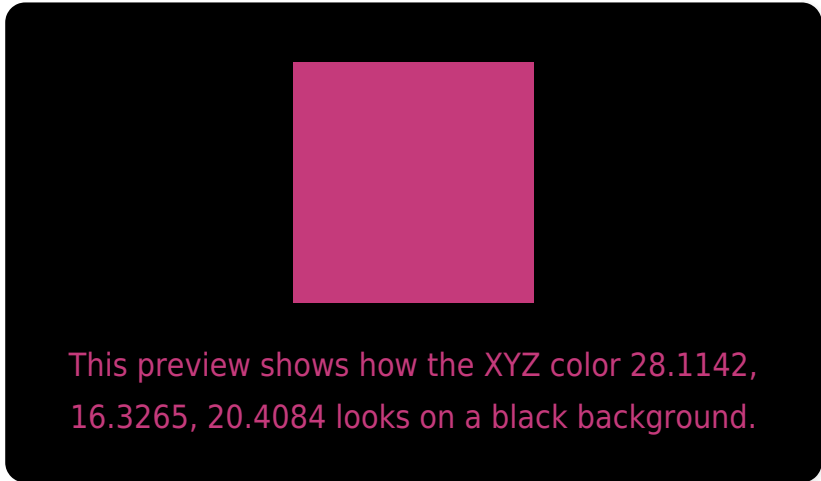
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

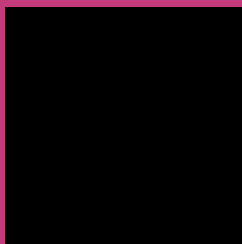
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 28.1142, 16.3265, 20.4084**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.1142, 16.3265, 20.4084.



This preview shows how white text looks on a background with the XYZ color 28.1142, 16.3265,



# 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

28.1142, 16.3265, 20.4084

### Protanopia

17.1113, 16.7096, 34.6712

### Deuteranopia

16.8967, 16.6238, 18.8412



## Tritanopia

25.6743, 16.3441, 8.2801

# Trichromacy



## Original Color

28.1142, 16.3265, 20.4084

## Protanomaly

18.9297, 14.8495, 28.6566

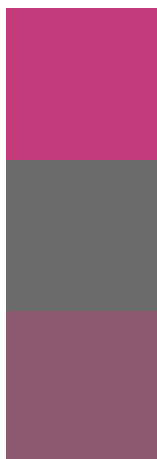
## Deuteranomaly

19.6485, 15.2981, 19.3700

## Tritanomaly

26.3857, 16.2712, 11.8752

# Monochromacy



## Original Color

28.1142, 16.3265, 20.4084

## Achromatopsia

13.9749, 14.7027, 16.0113

## Achromatomaly

17.3682, 13.9125, 17.3928

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.1142, 16.3265, 20.4084 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(197, 58, 123)` looks like.

```
.text, #text, p{  
    color:rgb(197, 58, 123)  
}
```

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(197, 58, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 58, 123) }
```

## Border

The CSS property to change the border of an element to XYZ 28.1142, 16.3265, 20.4084 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(197, 58, 123) }
```



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

```
.border{ border-color:rgb(197, 58, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 58, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 58, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 58, 123);  
box-shadow:4px 4px 4px 4px rgb(197, 58,  
123) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.1142, 16.3265, 20.4084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 58, 123) }
```

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

```
.background{ background-color: rgb(197, 58,  
123) }
```

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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