

# Converting Colors

XYZ(25.6129, 12.9827, 18.8859)

Have a look what the booklet for  
XYZ(25.6129, 12.9827, 18.8859)  
contains.

<b>XYZ(25.5022, 12.9329, 18.9215)</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(25.5022, 12.9329,  
18.9215)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C10B78
RGB	193, 11, 120
RGB Percent	76%, 4%, 47%
CMY	0.2431, 0.9567, 0.5294
CMYK	0.00, 0.94, 0.38, 0.24
HSL	324°, 89%, 40%
HSV	324°, 94%, 76%
XYZ	25.5022, 12.9329, 18.9215
YIQ	77.8440, 73.4830, 72.4830

# Conversions

## Conversions Part 2

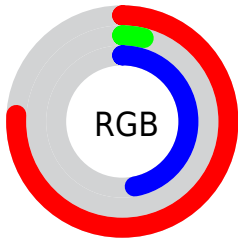
<b>Format</b>	<b>Color</b>
<b>RYB</b>	193, 11, 120
Decimal	12651384
CIELab	42.66, 69.64, -10.47
CIElCh	43, 70.419, 351.452
Yxy	12.9329, 0.4446, 0.2255
Android (android.graphics.Color)	4290841464 (0xFFC10B78)
YUV	77.8440, 20.7829, 100.9918
Hunter-Lab	35.9623, 63.6467, -6.0217

# Details

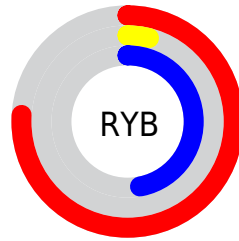
The XYZ color **25.5022, 12.9329, 18.9215** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **20.8099, 38.8519, 14.7965**, and the grayscale version is **7.1678, 7.5411, 8.2123**.

A 20% lighter version of the original color is **51.8918, 31.1941, 42.3158**, and **11.0012, 5.5362, 6.6197** is the 20% darker color. If you saturate the color by 10%, you get **25.1200, 12.5885, 17.4994**, and if you desaturate by 10%, it is **26.3445, 13.8347, 21.6153**.

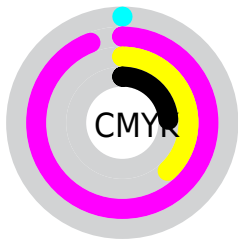
# Distribution



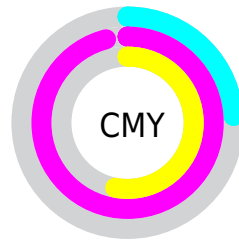
- Red (76%)
- Green (4%)
- Blue (47%)



- Red (76%)
- Yellow (4%)
- Blue (47%)



- Cyan (0%)
- Magenta (94%)
- Yellow (38%)
- Black (24%)




- Cyan (24%)
- Magenta (96%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5022, 12.9329, 18.9215 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 25.5022, 12.9329, 18.9215 by changing the saturation by 10% instead.




 25.5022, 12.9329,  
18.9215


 25.5022, 12.9329,  
18.9215

272.6315,  
210.4872, 258.4233


 16.5823, 7.3824,  
11.4373


 51.9078, 31.1832,  
42.4363


 10.0306, 3.7024,  
6.2439


 70.1243, 44.6517,  
59.3041


 5.4817, 1.5085,  
2.9228

 92.1703, 61.5284,  
80.1368

 2.5702, 0.2947,  
1.0553

 118.4113, 82.1975,  
105.3530

 0.9308, 0.0000,  
0.0000

 149.2125,  
107.0436, 135.3712

 0.0000, 0.0000,  
0.0000

 184.9394,

136.4510, 170.6099

225.9573,  
170.8040, 211.4878

■ 25.5022, 12.9329,  
18.9215

■ 25.5022, 12.9329,  
18.9215

■ 25.1200, 12.5885,  
17.4994

■ 26.3445, 13.8347,  
21.6153

■ 27.5247, 15.3503,  
24.6135

■ 29.0915, 17.5755,  
27.9364

■ 31.0847, 20.5886,  
31.6013

■ 33.5389, 24.4575,  
35.6236

■ 36.4849, 29.2429,  
40.0174

■ 39.9510, 34.9998,  
44.7958

■ 43.9630, 41.7790,  
49.9710

■ 48.5451, 49.6275,  
55.5544

# Harmonies

## Analogous

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



22.2010, 12.9329, 41.5136



25.5022, 12.9329, 18.9215



24.5427, 12.9329, 5.8313

# Triad

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



25.5022, 12.9329, 18.9215



8.9059, 12.9329, 0.5603



6.9388, 12.9329, 51.8848

# Complementary

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



25.5022, 12.9329, 18.9215



20.8099, 38.8519, 14.7965

# 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.



4.9972, 12.9329, 27.8104



25.5022, 12.9329, 18.9215



5.8826, 12.9329, 2.5550

# Square

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



25.5022, 12.9329, 18.9215



13.8829, 12.9329, 0.2739



4.6765, 12.9329, 10.1468



10.8282, 12.9329, 67.7902



# Rectangle

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



25.5022, 12.9329, 18.9215



21.7084, 12.9329, 2.2062



4.6765, 12.9329, 10.1468



6.0897, 12.9329, 43.9063

# Sweetspot

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



25.5026, 12.9336, 18.9217



68.8572, 58.1838, 76.5888



13.3857, 5.9668, 50.8984



14.2046, 11.5422, 15.6407



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.



25.5026, 12.9336, 18.9217



44.8652, 22.4962, 30.6833



22.3370, 11.6674, 2.2521



10.3207, 10.1769, 11.7792



16.7481, 8.3890, 11.8517



0.7570, 0.3758, 0.6875



# Inverse Universe

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



25.5026, 12.9336, 18.9217



44.8652, 22.4962, 30.6833



26.9270, 41.2988, 47.0085



10.3207, 10.1769, 11.7792



16.7481, 8.3890, 11.8517



0.7570, 0.3758, 0.6875



# Previews

## White Background



This preview shows how the XYZ color 25.5022, 12.9329, 18.9215 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 25.5022, 12.9329, 18.9215 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 25.5022, 12.9329, 18.9215**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.5022, 12.9329, 18.9215.



This preview shows how white text looks on a background with the XYZ color 25.5022, 12.9329,



# 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

25.5022, 12.9329, 18.9215

### Protanopia

14.6555, 13.4711, 40.3558

### Deuteranopia

13.6661, 13.4723, 17.2094



## Tritanopia

22.6189, 13.1630, 4.3662

# Trichromacy



## Original Color

25.5022, 12.9329, 18.9215



## Protanomaly

15.0707, 10.1832, 30.8770



## Deuteranomaly

15.8091, 10.8610, 17.4828



## Tritanomaly

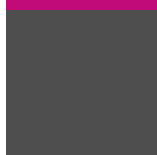
23.1062, 12.6572, 7.8819

# Monochromacy



## Original Color

25.5022, 12.9329, 18.9215



## Achromatopsia

7.2414, 7.6185, 8.2966



## Achromatomaly

11.0407, 7.4217, 11.2066

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.5022, 12.9329, 18.9215 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(193, 11, 120)` looks like.

```
.text, #text, p{  
    color:rgb(193, 11, 120)  
}
```

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(193, 11, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 11, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 25.5022, 12.9329, 18.9215 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(193, 11, 120) }
```



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

```
.border{ border-color:rgb(193, 11, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 11, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 11, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 11, 120);  
box-shadow:4px 4px 4px 4px rgb(193, 11,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.5022, 12.9329, 18.9215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 11, 120) }
```

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

```
.background{ background-color: rgb(193, 11,  
120) }
```

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