

Converting Colors

XYZ(25.2072, 12.5722, 20.2733)

Have a look what the booklet for
XYZ(25.2072, 12.5722, 20.2733)
contains.

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Color

**XYZ(25.1239, 12.5316,
20.1634)**

Conversions

Conversions Part 1

Format	Color
Hex	BF007C
RGB	191, 0, 124
RGB Percent	75%, 0%, 49%
CMY	0.2510, 0.9999, 0.5137
CMYK	0.00, 1.00, 0.35, 0.25
HSL	321°, 100%, 37%
HSV	321°, 100%, 75%
XYZ	25.1239, 12.5316, 20.1634
YIQ	71.2450, 74.0320, 79.0560

Conversions

Conversions Part 2

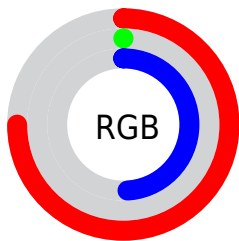
Format	Color
RYB	191, 0, 124
Decimal	12517500
CIELab	42.05, 70.68, -13.91
CIElCh	42, 72.034, 348.863
Yxy	12.5316, 0.4345, 0.2167
Android (android.graphics.Color)	4290707580 (0xFFBF007C)
YUV	71.2450, 26.0082, 105.0251
Hunter-Lab	35.4000, 64.7341, -8.9908

Details

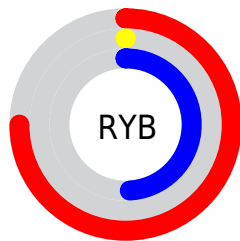
The XYZ color **25.1239, 12.5316, 20.1634** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **19.6453, 37.6674, 11.5505**, and the grayscale version is **5.9823, 6.2938, 6.8540**.

A 20% lighter version of the original color is **51.4085, 30.5253, 44.7774**, and **10.7857, 5.4135, 7.1331** is the 20% darker color. If you saturate the color by 10%, you get **25.1232, 12.5313, 20.1596**, and if you desaturate by 10%, it is **25.7975, 13.1772, 22.5505**.

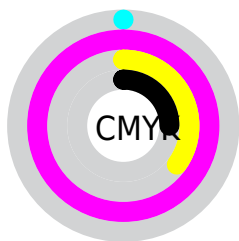
Distribution



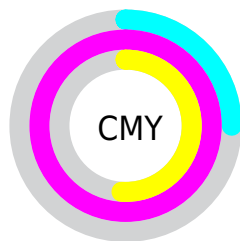
- Red (75%)
- Green (0%)
- Blue (49%)



- Red (75%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (35%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1239, 12.5316, 20.1634 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 25.1239, 12.5316, 20.1634 by changing the saturation by 10% instead.


 25.1239, 12.5316,
20.1634


 25.1239, 12.5316,
20.1634


270.7907,
207.8935, 265.4318


 16.2986, 7.1068,
12.3286


 51.2996, 30.4597,
44.5535

 9.8279, 3.5290,
6.8426


 69.3807, 43.7317,
61.9460


 5.3464, 1.4137,
3.2869

 91.2778, 60.3884,
83.3614

 2.4887, 0.2268,
1.2429

 117.3563, 80.8139,
109.2183

 0.8896, 0.0000,
0.0143

 147.9814,
105.3928, 139.9352

 0.0000, 0.0000,
0.0000

 183.5187,

134.5095, 175.9308

224.3333,
168.5483, 217.6234

■ 25.1239, 12.5316,
20.1634

■ 25.1239, 12.5316,
20.1634

■ 25.1232, 12.5313,
20.1596

■ 25.7975, 13.1772,
22.5505

■ 26.7307, 14.2952,
25.1689

■ 28.0074, 16.0524,
28.0493

■ 29.6703, 18.5331,
31.2085

■ 31.7553, 21.8088,
34.6610

■ 34.2944, 25.9421,
38.4199

■ 37.3160, 30.9896,
42.4970

■ 40.8465, 37.0029,
46.9035

■ 44.9099, 44.0297,
51.6497

Harmonies

Analogous

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



21.4598, 12.5316, 43.6520



25.1239, 12.5316, 20.1634



24.5385, 12.5316, 6.1642

Triad

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



25.1239, 12.5316, 20.1634



8.8850, 12.5316, 0.3029



6.3442, 12.5316, 50.0341

Complementary

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



25.1239, 12.5316, 20.1634



19.6453, 37.6674, 11.5505

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.



4.5874, 12.5316, 25.5581



25.1239, 12.5316, 20.1634



5.7217, 12.5316, 1.9916

Square

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



25.1239, 12.5316, 20.1634



14.0105, 12.5316, 0.1273



4.4001, 12.5316, 8.7085



10.0323, 12.5316, 67.7701

Rectangle

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



25.1239, 12.5316, 20.1634



21.8508, 12.5316, 2.2504



4.4001, 12.5316, 8.7085



5.5622, 12.5316, 41.7357

Sweetspot

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



25.1243, 12.5323, 20.1636



66.5460, 55.0179, 75.7394



11.7103, 4.9511, 49.6286



14.0859, 11.1966, 15.9343



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.



25.1243, 12.5323, 20.1636



44.8763, 22.3959, 35.4766



21.7040, 11.1642, 2.1526



9.7839, 9.6379, 11.2512



16.5499, 8.2511, 13.4555



0.6782, 0.3352, 0.6844

Inverse Universe

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



25.1243, 12.5323, 20.1636



44.8763, 22.3959, 35.4766



25.1844, 39.8830, 40.7189



9.7839, 9.6379, 11.2512



16.5499, 8.2511, 13.4555



0.6782, 0.3352, 0.6844

Previews

White Background



This preview shows how the XYZ color 25.1239, 12.5316, 20.1634 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

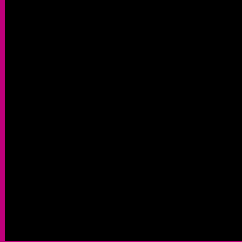
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.1239, 12.5316, 20.1634

Background



This preview shows how black text looks on a background with the XYZ color 25.1239, 12.5316, 20.1634.



This preview shows how white text looks on a background with the XYZ color 25.1239, 12.5316,

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

25.1239, 12.5316, 20.1634

Protanopia

14.7124, 13.2913, 43.3850

Deuteranopia

13.3821, 13.1647, 18.0554



Tritanopia

21.9456, 12.8747, 4.4604

Trichromacy



Original Color

25.1239, 12.5316, 20.1634

Protanomaly

14.6312, 9.4684, 33.4042

Deuteranomaly

15.2009, 10.0973, 18.2873

Tritanomaly

22.6042, 12.2214, 8.3753

Monochromacy



Original Color

25.1239, 12.5316, 20.1634

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

9.8541, 6.2598, 10.3618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1239, 12.5316, 20.1634 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(191, 0, 124)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 124)  
}
```

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(191, 0, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 124) }
```

Border

The CSS property to change the border of an element to XYZ 25.1239, 12.5316, 20.1634 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(191, 0, 124) }
```


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

```
.border{ border-color:rgb(191, 0, 124) }
```

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

Here you see how a box with a 4 pixel rgb(191, 0, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 124);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1239, 12.5316, 20.1634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 124) }
```

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

```
.background{ background-color: rgb(191, 0,  
124) }
```

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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