

Converting Colors

XYZ(25.2321, 12.3878, 29.1830)

Have a look what the booklet for
XYZ(25.2321, 12.3878, 29.1830)
contains.

XYZ(25.1125, 12.3285, 29.0730)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.1125, 12.3285,
29.0730)**

Conversions

Conversions Part 1

Format	Color
Hex	B80094
RGB	184, 0, 148
RGB Percent	72%, 0%, 58%
CMY	0.2784, 0.9999, 0.4196
CMYK	0.00, 1.00, 0.20, 0.28
HSL	312°, 100%, 36%
HSV	312°, 100%, 72%
XYZ	25.1125, 12.3285, 29.0730
YIQ	71.8880, 62.1560, 85.0360

Conversions

Conversions Part 2

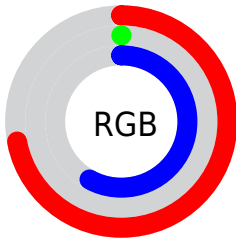
Format	Color
RYB	184, 0, 148
Decimal	12058772
CIELab	41.73, 71.99, -29.25
CIELCh	42, 77.702, 337.889
Yxy	12.3285, 0.3776, 0.1854
Android (android.graphics.Color)	4290248852 (0xFFB80094)
YUV	71.8880, 37.5232, 98.3222
Hunter-Lab	35.1120, 66.2194, -24.5142

Details

The XYZ color **25.1125, 12.3285, 29.0730** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **17.4598, 34.4090, 7.3927**, and the grayscale version is **6.0734, 6.3896, 6.9583**.

A 20% lighter version of the original color is **51.2967, 30.1529, 58.9936**, and **10.7619, 5.2987, 11.7648** is the 20% darker color. If you saturate the color by 10%, you get **25.1122, 12.3284, 29.0709**, and if you desaturate by 10%, it is **25.6255, 12.8910, 30.6722**.

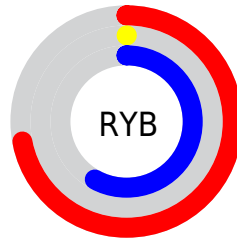
Distribution



Red (72%)

Green (0%)

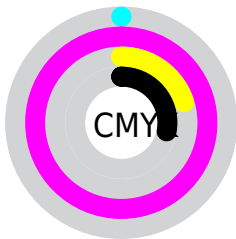
Blue (58%)



Red (72%)

Yellow (0%)

Blue (58%)

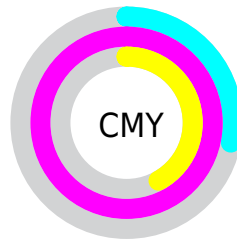


Cyan (0%)

Magenta (100%)

Yellow (20%)

Black (28%)



Cyan (28%)


Magenta (100%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.1125, 12.3285, 29.0730 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 25.1125, 12.3285, 29.0730 by changing the saturation by 10% instead.


 25.1125, 12.3285,
29.0730


 25.1125, 12.3285,
29.0730


270.7351,
206.5681, 311.6309

 16.2901, 6.9678,
18.8900


 51.2813, 30.0920,
59.2366

 9.8218, 3.4420,
11.4148


 69.3583, 43.2636,
80.0543


 5.3423, 1.3666,
6.2289

 91.2509, 59.8076,
105.2540

 2.4863, 0.1919,
2.9137

 117.3244, 80.1085,
135.2542

 0.8883, 0.0000,
1.0508

 147.9443,
104.5506, 170.4734

 0.0000, 0.0000,
0.0000

 183.4757,

133.5183, 211.3303

224.2842,
167.3960, 258.2433

■ 25.1125, 12.3285,
29.0730

■ 25.1125, 12.3285,
29.0730

■ 25.1122, 12.3284,
29.0709

■ 25.6255, 12.8910,
30.6722

■ 26.3569, 13.8762,
32.3883

■ 27.3852, 15.4408,
34.2479

■ 28.7487, 17.6614,
36.2641

■ 30.4801, 20.6028,
38.4481

■ 32.6078, 24.3221,
40.8100

■ 35.1575, 28.8706,
43.3585

■ 38.1529, 34.2953,
46.1018

■ 41.6156, 40.6396,
49.0477

Harmonies

Analogous

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



19.8342, 12.3285, 56.6549



25.1125, 12.3285, 29.0730



26.2998, 12.3285, 9.5546

Triad

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



25.1125, 12.3285, 29.0730



10.2749, 12.3285, 0.0000



5.0146, 12.3285, 43.4637

Complementary

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



25.1125, 12.3285, 29.0730



17.4598, 34.4090, 7.3927

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.



3.8614, 12.3285, 18.2173



25.1125, 12.3285, 29.0730



6.1869, 12.3285, 0.7433

Square

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



25.1125, 12.3285, 29.0730



16.3540, 12.3285, 0.0000



4.2067, 12.3285, 4.7274



8.0529, 12.3285, 68.6873

Rectangle

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



25.1125, 12.3285, 29.0730



24.3431, 12.3285, 3.4348



4.2067, 12.3285, 4.7274



4.4474, 12.3285, 34.1509

Sweetspot

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



25.1129, 12.3291, 29.0732



63.4738, 51.8712, 78.3512



9.3038, 3.7973, 45.5903



13.2499, 10.4055, 16.4668



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.1129, 12.3291, 29.0732



45.4362, 22.3139, 52.2444



20.5386, 10.4994, 4.9853



9.3036, 9.1318, 10.9459



17.3322, 8.5066, 20.1678



0.6305, 0.3077, 0.8139

Inverse Universe

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



25.1129, 12.3291, 29.0732



45.4362, 22.3139, 52.2444



20.8903, 35.7811, 25.4571



9.3036, 9.1318, 10.9459



17.3322, 8.5066, 20.1678



0.6305, 0.3077, 0.8139

Previews

White Background



This preview shows how the XYZ color 25.1125, 12.3285, 29.0730 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 25.1125, 12.3285, 29.0730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

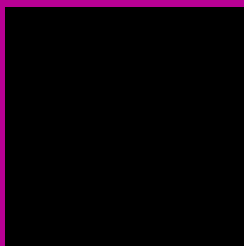
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.1125, 12.3285, 29.0730

Background



This preview shows how black text looks on a background with the XYZ color 25.1125, 12.3285, 29.0730.



This preview shows how white text looks on a background with the XYZ color 25.1125, 12.3285,

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

25.1125, 12.3285, 29.0730

Protanopia

15.5372, 13.0544, 60.7323

Deuteranopia

13.3372, 13.1023, 26.2521



Tritanopia

20.4868, 12.7101, 5.7884

Trichromacy



Original Color

25.1125, 12.3285, 29.0730



Protanomaly

12.9003, 8.1837, 47.3541



Deuteranomaly

15.0281, 9.9049, 26.7110



Tritanomaly

21.4597, 11.8167, 11.5057

Monochromacy



Original Color

25.1125, 12.3285, 29.0730



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

10.0873, 6.3848, 12.7573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1125, 12.3285, 29.0730 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(184, 0, 148)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 148)  
}
```

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(184, 0, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 148) }
```

Border

The CSS property to change the border of an element to XYZ 25.1125, 12.3285, 29.0730 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(184, 0, 148) }
```


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

```
.border{ border-color:rgb(184, 0, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 0, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 148);  
box-shadow:4px 4px 4px 4px rgb(184, 0,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1125, 12.3285, 29.0730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 148) }
```

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

```
.background{ background-color: rgb(184, 0,  
148) }
```

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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