

Converting Colors

XYZ(25.9591, 12.7271, 30.8226)

Have a look what the booklet for
XYZ(25.9591, 12.7271, 30.8226)
contains.

| | |
|--|----|
| XYZ(25.9172, 12.7061, 30.7923) | 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(25.9172, 12.7061,
30.7923)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | BA0098 |
| RGB | 186, 0, 152 |
| RGB Percent | 73%, 0%, 60% |
| CMY | 0.2706, 0.9999, 0.4039 |
| CMYK | 0.00, 1.00, 0.18, 0.27 |
| HSL | 311°, 100%, 36% |
| HSV | 311°, 100%, 73% |
| XYZ | 25.9172, 12.7061, 30.7923 |
| YIQ | 72.9420, 62.0640, 86.7040 |

Conversions

Conversions Part 2

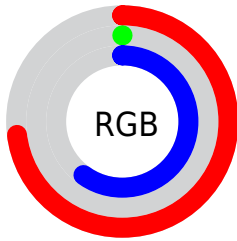
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 186, 0, 152 |
| Decimal | 12189848 |
| CIELab | 42.32, 72.86, -30.73 |
| CIElCh | 42, 79.079, 337.132 |
| Yxy | 12.7061, 0.3734, 0.1830 |
| Android (android.graphics.Color) | 4290379928 (0xFFBA0098) |
| YUV | 72.9420, 38.9756, 99.1519 |
| Hunter-Lab | 35.6456, 67.4039, -26.2655 |

Details

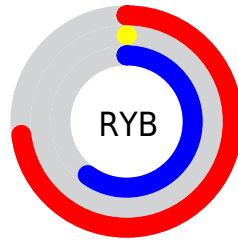
The XYZ color **25.9172, 12.7061, 30.7923** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **17.8485, 35.2339, 7.3755**, and the grayscale version is **6.2520, 6.5776, 7.1630**.

A 20% lighter version of the original color is **52.5963, 30.7534, 62.1954**, and **11.2511, 5.5288, 12.7861** is the 20% darker color. If you saturate the color by 10%, you get **25.9170, 12.7060, 30.7903**, and if you desaturate by 10%, it is **26.4266, 13.2724, 32.3561**.

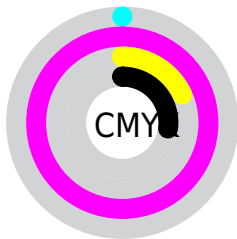
Distribution



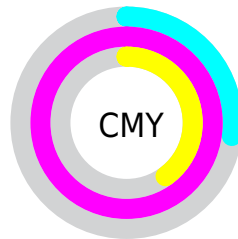
- Red (73%)
- Green (0%)
- Blue (60%)



- Red (73%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (18%)
- Black (27%)




- Cyan (27%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.9172, 12.7061, 30.7923 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 25.9172, 12.7061, 30.7923 by changing the saturation by 10% instead.

 25.9172, 12.7061,
30.7923


 25.9172, 12.7061,
30.7923


274.6395,
209.0254, 319.9018


 16.8941, 7.2265,
20.1836


 52.5736, 30.7748,
61.9887

 10.2538, 3.6041,
12.3432


 70.9376, 44.1326,
83.4134


 5.6311, 1.4547,
6.8525


 93.1458, 60.8853,
109.2806

 2.6606, 0.2565,
3.2930

 119.5638, 81.4172,
140.0087

 0.9769, 0.0000,
1.2461

 150.5568,
106.1128, 176.0164

 0.0000, 0.0000,
0.0170

 186.4902,

 0.0000, 0.0000,

135.3564, 217.7221

0.0000

227.7293,
169.5325, 265.5444

■ 25.9172, 12.7061,
30.7923

■ 25.9172, 12.7061,
30.7923

■ 25.9170, 12.7060,
30.7903

■ 26.4266, 13.2724,
32.3561

■ 27.1593, 14.2728,
34.0340

■ 28.1952, 15.8666,
35.8531

■ 29.5737, 18.1325,
37.8267

■ 31.3283, 21.1373,
39.9662

■ 33.4881, 24.9394,
42.2819

■ 36.0798, 29.5917,
44.7828

■ 39.1273, 35.1423,
47.4772

■ 42.6531, 41.6358,
50.3729

Harmonies

Analogous

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



20.3465, 12.7061, 59.5879



25.9172, 12.7061, 30.7923



27.2843, 12.7061, 10.1649

Triad

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



25.9172, 12.7061, 30.7923



10.7162, 12.7061, 0.0000



5.0784, 12.7061, 44.3754

Complementary

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



25.9172, 12.7061, 30.7923



17.8485, 35.2339, 7.3755

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.



3.9301, 12.7061, 18.2961



25.9172, 12.7061, 30.7923



6.4203, 12.7061, 0.6932

Square

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



25.9172, 12.7061, 30.7923



17.0697, 12.7061, 0.0068



4.3248, 12.7061, 4.6316



8.1669, 12.7061, 70.9730

Rectangle

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



25.9172, 12.7061, 30.7923



25.3255, 12.7061, 3.6493



4.3248, 12.7061, 4.6316



4.5080, 12.7061, 34.6989

Sweetspot

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



25.9176, 12.7068, 30.7925



65.1367, 53.1670, 80.9311



9.4290, 3.8374, 46.6984



13.8880, 10.8862, 17.3917



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



25.9176, 12.7068, 30.7925



46.8924, 22.9969, 55.3700



21.1201, 10.7877, 5.5291



9.3086, 9.1338, 10.9724



17.4614, 8.5583, 20.8485



0.6341, 0.3091, 0.8328

Inverse Universe

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



25.9176, 12.7068, 30.7925



46.8924, 22.9969, 55.3700



21.1980, 36.5737, 25.0140



9.3086, 9.1338, 10.9724



17.4614, 8.5583, 20.8485



0.6341, 0.3091, 0.8328

Previews

White Background



This preview shows how the XYZ color 25.9172, 12.7061, 30.7923 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

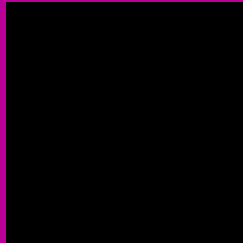
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.9172, 12.7061, 30.7923

Background



This preview shows how black text looks on a background with the XYZ color 25.9172, 12.7061, 30.7923.



This preview shows how white text looks on a background with the XYZ color 25.9172, 12.7061,

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

25.9172, 12.7061, 30.7923

Protanopia

16.0947, 13.5768, 62.7451

Deuteranopia

13.6560, 13.3842, 27.4548



Tritanopia

21.1035, 13.1743, 6.1332

Trichromacy



Original Color

25.9172, 12.7061, 30.7923



Protanomaly

13.3467, 8.4581, 49.0732



Deuteranomaly

15.3339, 10.0272, 28.3214



Tritanomaly

22.0501, 12.1575, 12.0109

Monochromacy



Original Color

25.9172, 12.7061, 30.7923



Achromatopsia

6.3328, 6.6626, 7.2556



Achromatomaly

10.3147, 6.4907, 13.2796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.9172, 12.7061, 30.7923 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(186, 0, 152)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 152)  
}
```

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(186, 0, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 152) }
```

Border

The CSS property to change the border of an element to XYZ 25.9172, 12.7061, 30.7923 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(186, 0, 152) }
```


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

```
.border{ border-color:rgb(186, 0, 152) }
```

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

Here you see how a box with a 4 pixel rgb(186, 0, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 152);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 25.9172, 12.7061, 30.7923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 152) }
```

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

```
.background{ background-color: rgb(186, 0,  
152) }
```

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