

Converting Colors

XYZ(25.7315, 12.0060, 58.0879)

Have a look what the booklet for
XYZ(25.7315, 12.0060, 58.0879)
contains.

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Color

**XYZ(25.7994, 12.0410,
58.0911)**

Conversions

Conversions Part 1

Format	Color
Hex	A200CC
RGB	162, 0, 204
RGB Percent	64%, 0%, 80%
CMY	0.3647, 1.0000, 0.2000
CMYK	0.21, 1.00, 0.00, 0.20
HSL	288°, 100%, 40%
HSV	288°, 100%, 80%
XYZ	25.7994, 12.0410, 58.0911
YIQ	71.6940, 31.0680, 97.7880

Conversions

Conversions Part 2

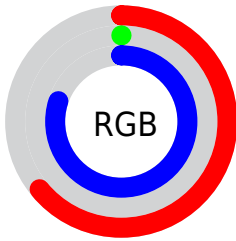
Format	Color
RYB	162, 0, 204
Decimal	10617036
CIELab	41.28, 76.84, -63.45
CIElCh	41, 99.648, 320.451
Yxy	12.0410, 0.2689, 0.1255
Android (android.graphics.Color)	4288807116 (0xFFA200CC)
YUV	71.6940, 65.2269, 79.1984
Hunter-Lab	34.7001, 71.9887, -74.9666

Details

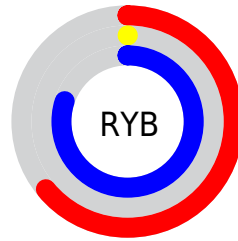
The XYZ color **25.7994, 12.0410, 58.0911** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **22.5481, 43.6783, 7.2426**, and the grayscale version is **5.9968, 6.3091, 6.8706**.

A 20% lighter version of the original color is **51.1173, 29.0892, 97.5283**, and **11.1337, 5.1130, 28.8339** is the 20% darker color. If you saturate the color by 10%, you get **25.7996, 12.0411, 58.0913**, and if you desaturate by 10%, it is **26.9249, 13.0034, 58.2178**.

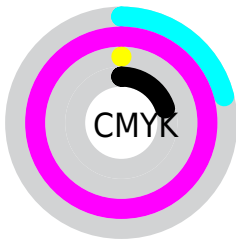
Distribution



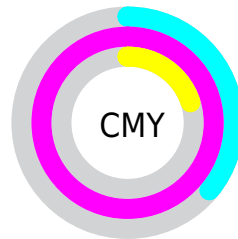
- Red (64%)
- Green (0%)
- Blue (80%)



- Red (64%)
- Yellow (0%)
- Blue (80%)



- Cyan (21%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)





- Cyan (36%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7994, 12.0410, 58.0911 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 25.7994, 12.0410, 58.0911 by changing the saturation by 10% instead.


 25.7994, 12.0410,
58.0911


 25.7994, 12.0410,
58.0911


274.0707,
204.6765, 435.1330


 16.8055, 6.7716,
41.4667


 52.3848, 29.5698,
103.5716


 10.1904, 3.3197,
28.3615


 70.7070, 42.5979,
133.2648


 5.5886, 1.3008,
18.3569


 92.8693, 58.9811,
168.1513

 2.6348, 0.1418,
11.0345

 119.2372, 79.1037,
208.6497

 0.9637, 0.0000,
5.9756

 150.1759,
103.3502, 255.1786

 0.0000, 0.0000,
2.7617

 186.0508,

 0.0000, 0.0000,

132.1049, 308.1564

0.9743

227.2273,
165.7522, 368.0017

■ 0.0000, 0.0000,
0.0000

■ 25.7994, 12.0410,
58.0911

■ 25.7994, 12.0410,
58.0911

■ 25.7996, 12.0411,
58.0913

■ 26.9249, 13.0034,
58.2178

■ 28.3501, 14.5233,
58.4360

■ 30.1691, 16.7874,
58.7772

■ 32.4317, 19.8955,
59.2578

■ 35.1803, 23.9316,
59.8920

■ 38.4519, 28.9695,
60.6920

■ 42.2800, 35.0757,
61.6688

■ 46.6949, 42.3106,
62.8326

■ 51.7250, 50.7303,
64.1927

Harmonies

Analogous

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



17.0011, 12.0410, 96.5259



25.7994, 12.0410, 58.0911



31.2697, 12.0410, 20.8577

Triad

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



25.7994, 12.0410, 58.0911



13.9008, 12.0410, 0.0000



2.7520, 12.0410, 32.4394

Complementary

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



25.7994, 12.0410, 58.0911



22.5481, 43.6783, 7.2426

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.



2.4968, 12.0410, 7.5675



25.7994, 12.0410, 58.0911



7.2536, 12.0410, 0.0000

Square

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



25.7994, 12.0410, 58.0911



22.7296, 12.0410, 0.0000



3.7400, 12.0410, 0.5400



4.6945, 12.0410, 73.6922

Rectangle

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



25.7994, 12.0410, 58.0911



31.1958, 12.0410, 7.1492



3.7400, 12.0410, 0.5400



2.5106, 12.0410, 21.7069

Sweetspot

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



25.8000, 12.0415, 58.0914



69.7512, 57.6544, 102.0599



11.8076, 6.1765, 57.6968



14.3287, 11.3749, 21.6903



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.



25.8000, 12.0415, 58.0914



42.5428, 19.8465, 96.1962



30.1061, 14.9192, 28.5698



11.4526, 11.2826, 14.1445



16.3173, 7.6194, 36.5669



0.9003, 0.4233, 1.8892

Inverse Universe

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



25.3200, 13.0048, 3.3667



41.8711, 21.5125, 5.2536



22.3518, 43.4895, 11.1934



11.3052, 11.2508, 12.1419



15.9641, 8.1962, 2.2634



0.8517, 0.4341, 0.2650

Previews

White Background



This preview shows how the XYZ color 25.7994, 12.0410, 58.0911 looks on a white background.

Color Contrast Check

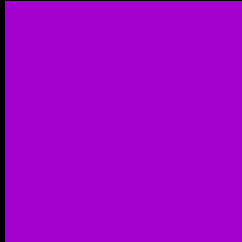
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7994, 12.0410, 58.0911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

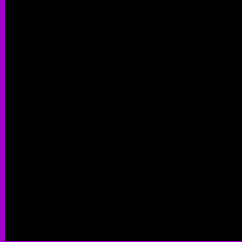
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.7994, 12.0410, 58.0911

Background



This preview shows how black text looks on a background with the XYZ color 25.7994, 12.0410, 58.0911.



This preview shows how white text looks on a background with the XYZ color 25.7994, 12.0410,

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

25.7994, 12.0410, 58.0911

Protanopia

14.8435, 12.6300, 57.5326

Deuteranopia

12.6872, 12.6771, 43.3732



Tritanopia

16.2254, 12.4289, 10.3480

Trichromacy



Original Color

25.7994, 12.0410, 58.0911



Protanomaly

14.2519, 8.5791, 57.4047



Deuteranomaly

12.6636, 8.2983, 47.9480



Tritanomaly

17.9088, 10.5319, 21.8578

Monochromacy



Original Color

25.7994, 12.0410, 58.0911



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

10.1929, 6.3133, 18.4507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7994, 12.0410, 58.0911 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(162, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(162, 0, 204)  
}
```

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(162, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 0, 204) }
```

Border

The CSS property to change the border of an element to XYZ 25.7994, 12.0410, 58.0911 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(162, 0, 204) }
```


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

```
.border{ border-color:rgb(162, 0, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 0, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(162, 0,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7994, 12.0410, 58.0911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 0, 204) }
```

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

```
.background{ background-color: rgb(162, 0,  
204) }
```

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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