

Converting Colors

XYZ(12.3576, 5.8216, 25.3801)

Have a look what the booklet for
XYZ(12.3576, 5.8216, 25.3801)
contains.

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Color

**XYZ(12.3414, 5.8154,
25.2830)**

Conversions

Conversions Part 1

Format	Color
Hex	77008C
RGB	119, 0, 140
RGB Percent	47%, 0%, 55%
CMY	0.5333, 1.0000, 0.4510
CMYK	0.15, 1.00, 0.00, 0.45
HSL	291°, 100%, 27%
HSV	291°, 100%, 55%
XYZ	12.3414, 5.8154, 25.2830
YIQ	51.5410, 25.9840, 68.7680

Conversions

Conversions Part 2

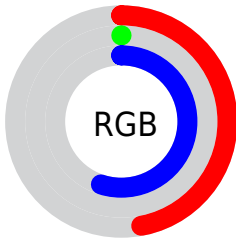
Format	Color
RYB	119, 0, 140
Decimal	7798924
CIELab	28.94, 59.47, -45.44
CIElCh	29, 74.848, 322.618
Yxy	5.8154, 0.2841, 0.1339
Android (android.graphics.Color)	4285989004 (0xFF77008C)
YUV	51.5410, 43.6103, 59.1615
Hunter-Lab	24.1151, 49.1494, -45.2807

Details

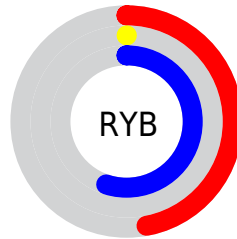
The XYZ color **12.3414, 5.8154, 25.2830** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **9.6875, 18.9158, 3.1407**, and the grayscale version is **3.1587, 3.3232, 3.6190**.

A 20% lighter version of the original color is **29.6700, 17.5155, 52.8560**, and **3.9831, 1.8451, 9.5974** is the 20% darker color. If you saturate the color by 10%, you get **12.3415, 5.8154, 25.2831**, and if you desaturate by 10%, it is **12.7902, 6.2800, 25.3491**.

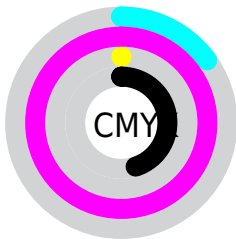
Distribution



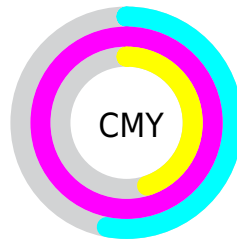
- Red (47%)
- Green (0%)
- Blue (55%)



- Red (47%)
- Yellow (0%)
- Blue (55%)



- Cyan (15%)
- Magenta (100%)
- Yellow (0%)
- Black (45%)



- Cyan (53%)
- Magenta (100%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3414, 5.8154, 25.2830 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 12.3414, 5.8154, 25.2830 by changing the saturation by 10% instead.

12.3414, 5.8154,
25.2830

12.3414, 5.8154,
25.2830

200.3766,
157.4223, 292.7370

7.0505, 2.7332,
16.0671

29.7269, 17.5469,
53.0858

3.5403, 0.9941,
9.4168

42.5521, 26.9650,
72.5097

1.4455, 0.0000,
4.9135

58.6196, 39.2637,
96.1734

0.2883, 0.0000,
2.1387

78.2945, 54.8276,
124.4954


0.0000, 0.0000,
0.6387

101.9424, 74.0410,
157.8942

0.0000, 0.0000,
0.0000


129.9284, 97.2884,


196.7884

 162.6180,
124.9540, 241.5965

 12.3414, 5.8154,
25.2830


 12.3414, 5.8154,
25.2830


 12.3415, 5.8154,
25.2831

 12.7902, 6.2800,
25.3491

 13.3463, 6.9501,
25.4491

 14.0634, 7.9325,
25.6010

 14.9604, 9.2653,
25.8110

 16.0538, 10.9811,
26.0845

■ 17.3580, 13.1086,
26.4264

■ 18.8859, 15.6739,
26.8410

■ 20.6496, 18.7009,
27.3323

■ 22.6602, 22.2117,
27.9040

Harmonies

Analogous

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



8.3756, 5.8154, 42.8620



12.3414, 5.8154, 25.2830



14.6269, 5.8154, 8.9944

Triad

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



12.3414, 5.8154, 25.2830



6.3922, 5.8154, 0.0000



1.4717, 5.8154, 16.3348

Complementary

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



12.3414, 5.8154, 25.2830



9.6875, 18.9158, 3.1407

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.



1.2972, 5.8154, 4.2548



12.3414, 5.8154, 25.2830



3.4114, 5.8154, 0.0000

Square

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



12.3414, 5.8154, 25.2830



10.4011, 5.8154, 0.0000



1.8394, 5.8154, 0.3116



2.4786, 5.8154, 34.9667

Rectangle

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



12.3414, 5.8154, 25.2830



14.4334, 5.8154, 3.1100



1.8394, 5.8154, 0.3116



1.3362, 5.8154, 11.2455

Sweetspot

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



12.3417, 5.8156, 25.2831



33.1129, 27.3218, 47.2714



5.0020, 2.4300, 25.0165



7.3901, 5.8904, 10.8269



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.3417, 5.8156, 25.2831



21.6517, 10.1978, 44.5702



12.7038, 6.3310, 10.4505



5.1614, 5.0916, 6.3166



10.9789, 5.1739, 22.4657



0.0822, 0.0392, 0.1497

Inverse Universe

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



10.9507, 5.6298, 1.2192



19.2674, 9.9097, 1.9437



9.9327, 18.9781, 6.0458



5.0615, 5.0600, 5.4122



9.7351, 5.0042, 1.1095



0.0680, 0.0346, 0.0251

Previews

White Background



This preview shows how the XYZ color 12.3414, 5.8154, 25.2830 looks on a white background.

Color Contrast Check

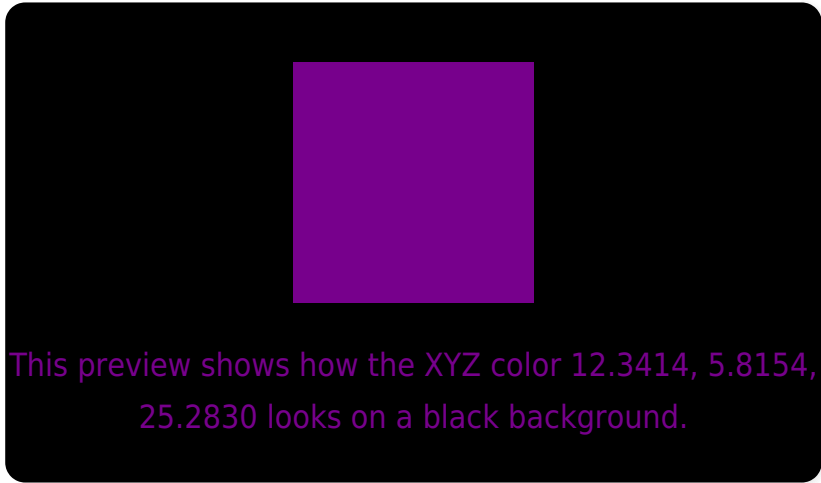
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

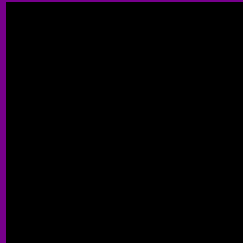
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3414, 5.8154, 25.2830

Background



This preview shows how black text looks on a background with the XYZ color 12.3414, 5.8154, 25.2830.



This preview shows how white text looks on a background with the XYZ color 12.3414, 5.8154,

25.2830.

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

12.3414, 5.8154, 25.2830

Protanopia

7.2390, 6.3006, 27.6227

Deuteranopia

6.2788, 6.3236, 21.3117



Tritanopia

8.3399, 6.2363, 4.9018

Trichromacy



Original Color

12.3414, 5.8154, 25.2830

Protanomaly

6.8549, 4.2981, 26.4549

Deuteranomaly

6.1381, 4.1335, 22.3041

Tritanomaly

9.0446, 5.3514, 9.7887

Monochromacy



Original Color

12.3414, 5.8154, 25.2830

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.1246, 3.2643, 8.7475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3414, 5.8154, 25.2830 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(119, 0, 140)` looks like.

```
.text, #text, p{  
    color:rgb(119, 0, 140)  
}
```

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(119, 0, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 0, 140) }
```

Border

The CSS property to change the border of an element to XYZ 12.3414, 5.8154, 25.2830 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(119, 0, 140) }
```


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

```
.border{ border-color:rgb(119, 0, 140) }
```

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

Here you see how a box with a 4 pixel rgb(119, 0, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 0, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 0, 140);  
box-shadow:4px 4px 4px 4px rgb(119, 0,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3414, 5.8154, 25.2830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 0, 140) }
```

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

```
.background{ background-color: rgb(119, 0,  
140) }
```

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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